

## **FLYING J OIL & GAS INC.**

333 WEST CENTER STREET • NORTH SALT LAKE, UTAH 84054  
PHONE (801) 296-7700 • FAX (801) 296-7888

April 15, 2008

Mr. John Baza  
Associate Director  
Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

**RECEIVED**

**APR 17 2008**

DIV. OF OIL, GAS & MINING

RE: ULT 4-31  
NWNW Sec. 31, T3S, R2E  
Randlett Field, Uintah County  
Application for Permit to Drill

Dear Mr. Baza:

Enclosed are an APD, Form 3, and appropriate attachments, submitted in duplicate, for the ULT 4-31 well proposed as a new Green River formation development well in the Randlett Field. Your consideration and approval of this application is requested.

Flying J Oil & Gas plans to use fresh water for drilling to the surface casing depth of 763'. This water will be supplied by Water Disposal Inc. under water permit number 43-11273. Produced water from Flying J operated wells will be used to drill below surface casing under Flying J Oil & Gas Inc. water user number 2617. The surface owner at the proposed well site is Gilbert Maggs (Utah land Trust), telephone 321-777-9100.

Thank you for consideration of this application. If you have any questions, or if you need additional information to assist in review and approval of this application, please call me at 801-296-7772.

Sincerely,  
Flying J Oil & Gas Inc.

Jordan R. Nelson  
Petroleum Engineer



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐  
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>				5. MINERAL LEASE NO: Fee	6. SURFACE: Fee
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA	
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				8. UNIT or CA AGREEMENT NAME: NA	
2. NAME OF OPERATOR: Flying J Oil & Gas Inc.				9. WELL NAME and NUMBER: ULT 4-31	
3. ADDRESS OF OPERATOR: 333 W Center St CITY North Salt Lake STATE UT ZIP 84054			PHONE NUMBER: (801) 296-7700	10. FIELD AND POOL, OR WILDCAT: Randlett	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 660 FNL 660 FWL 606586X 40 18 4146 AT PROPOSED PRODUCING ZONE: Same 44486554 -109.818489				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 31 T3S R2E U	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 18.9 miles south and east of Roosevelt, UT				12. COUNTY: Uintah	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 660		16. NUMBER OF ACRES IN LEASE: 3,246		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 80	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) NA		19. PROPOSED DEPTH: 7,200		20. BOND DESCRIPTION: State Blanket #08757276	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5,041 graded ground		22. APPROXIMATE DATE WORK WILL START: 6/15/2008		23. ESTIMATED DURATION: 10 days	

24. PROPOSED CASING AND CEMENTING PROGRAM						
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT	
26"	20"			53	Class G	140 sks 1.15 cuft/sk 15.8 #/gal
12 1/4"	9 5/8"	36#	J55	763	Primary: Class G	440 sks 1.15 cuft/sk 15.8 #/gal
					Top Out: Class G	100 sks 1.15 cuft/sk 15.8 #/gal
7 7/8"	5 1/2"	17#	K55	7,200	Lead: Class G	260 sks 4.41 cuft/sk 11.0 #/gal
					Tail: 50:50 Poz:G	440 sks 1.28 cuft/sk 14.1 #/gal

25. ATTACHMENTS	
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:	
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Jordan R. Nelson TITLE Petroleum Engineer

SIGNATURE *Jordan R. Nelson* DATE 4/15/2008

(This space for State use only)

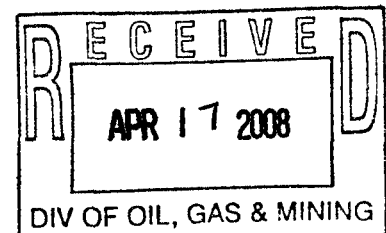
API NUMBER ASSIGNED: 43047-40017

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

APPROVAL:

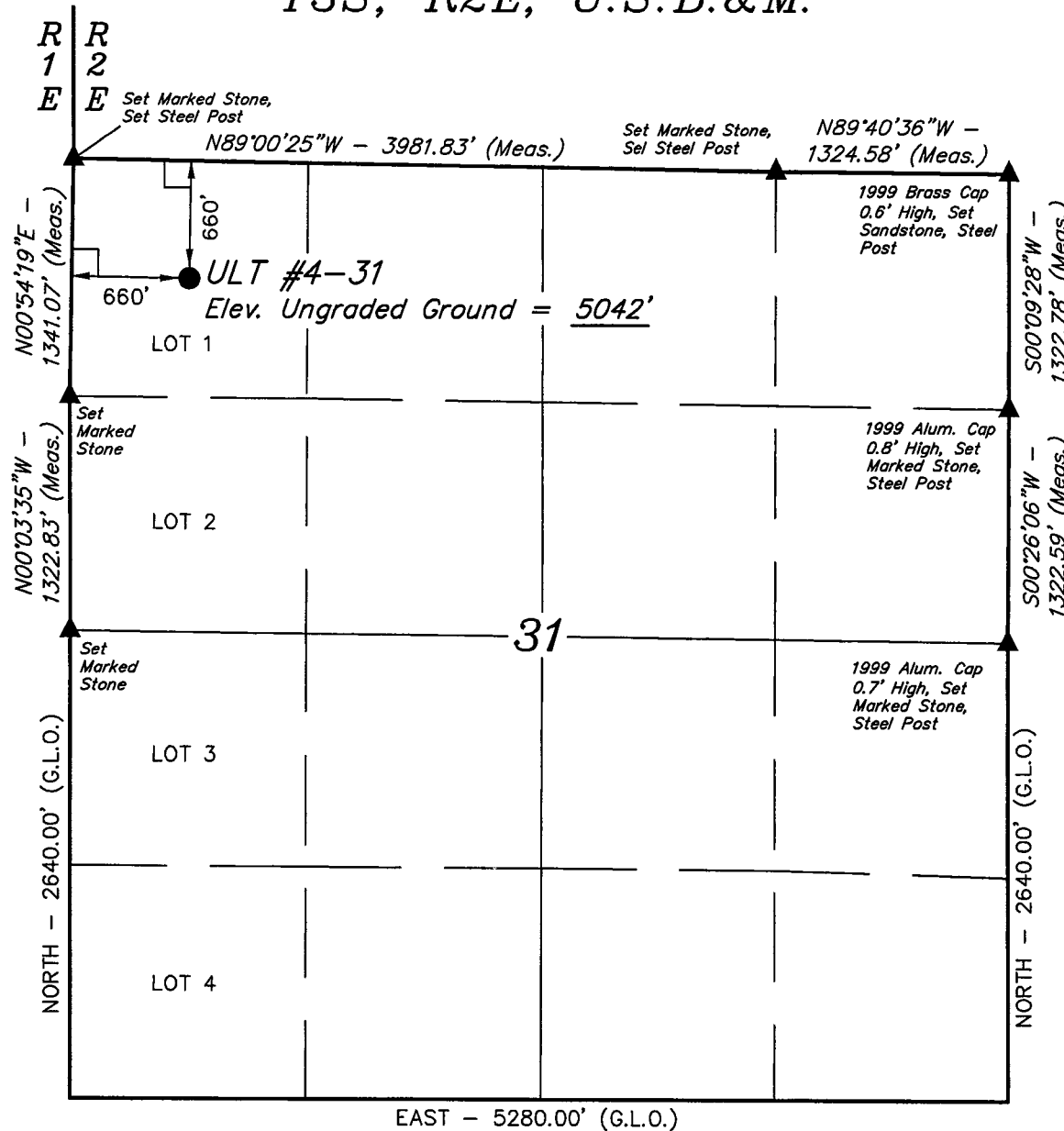
Date: 06-16-08  
(See Instructions on Reverse Side)

By: *[Signature]*





*T3S, R2E, U.S.B.&M.*



**LEGEND:**

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(AUTONOMOUS NAD 83)  
 LATITUDE = 40°11'02.99" (40.184164)  
 LONGITUDE = 109°49'09.25" (109.819236)  
 (AUTONOMOUS NAD 27)  
 LATITUDE = 40°11'03.13" (40.184203)  
 LONGITUDE = 109°49'06.73" (109.818536)

**FLYING J OIL & GAS INC.**

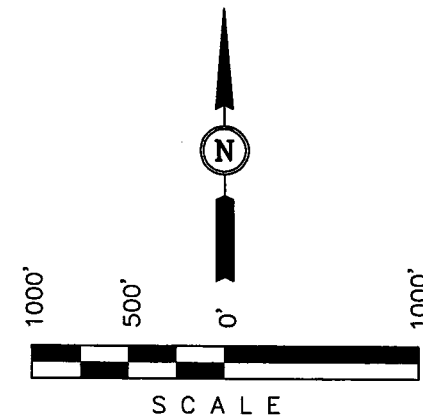
Well location, ULT #4-31, located as shown in the NW 1/4 NW 1/4 of Section 31, T3S, R2E, U.S.B.&M., Uintah County, Utah.

**BASIS OF ELEVATION**

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION 30, T3S, R2E, U.S.B.&M. TAKEN FROM THE RANDLETT, UTAH, QUADRANGLE, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4939 FEET.

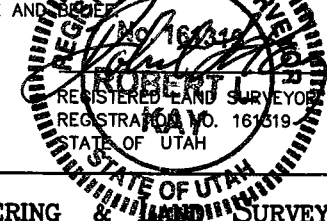
**BASIS OF BEARINGS**

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY AND UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



**UINTAH ENGINEERING & SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 04-04-08	DATE DRAWN: 04-10-08
PARTY T.A. D.C. L.K.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE FLYING J OIL & GAS INC.	



# FLYING J OIL AND GAS INC.

RECEIVED

APR 17 2008

DIV. OF OIL, GAS & MINING

## APPLICATION FOR PERMIT TO DRILL

For

ULT 4-31

Located in

Township 3 South, Range 2 East, Section 31: NWNW  
660' FNL, 660' FWL

Uintah County, Utah

### CONTENTS AND EXHIBITS

Form 3  
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Blowout Preventer & Manifold Schematic

Surface Use Plan  
Production Facility Layout  
Location of Existing Wells  
Figure 1, Location Layout  
Figure 2, Cut and Fill Sheet  
Location Damage Area & Road Right-of-Way  
Topo A, scale 1:100,000  
Topo B, scale 1"=2000'  
Affidavit of Surface Agreement

April 15, 2008



# FLYING J OIL & GAS INC.

## DRILLING PLAN

For

ULT 4-31

Located in

Township 3 South, Range 2 East, Section 31: NWNW  
660' FNL, 660' FWL

Uintah County, Utah



## Geology:

Tops of important geologic markers and potential water, oil, gas, and mineral content are as follows:

Graded Ground Level 5,041'; Estimated KB Elevation 5,054'

<u>Formation Top</u>	<u>Depth (KB)</u>	<u>Datum (SS)</u>	<u>Contents</u>
Uinta Formation	Surface	+5,041	Water
Green River Formation	2,974	+2,080	Water, Oil, Gas
Tgr 3 Marker	5,789	-735	Water, Oil, Gas
Douglas Creek Member	6,419	-1,365	Oil, Gas
Total Depth	7,200		

## Drilling Program:

- Build road and drilling pad. Set 20" conductor at 53' KB and dig rat hole and mousehole. Check to make sure conductor has no deviation.
- If timing allows, use a smaller rig to drill a 12-1/4" hole to 763' KB and pre-set surface casing as outlined in this procedure. Otherwise, the surface casing will be set by the bigger drilling rig.
- Move in and rig up a drilling rig.
- Drill 12-1/4" surface hole to 763' KB with fresh water mud. Survey at least every 300' and limit deviation to 1°. Notify DOGM (801-538-5340) immediately upon spudding the well. Give the well name, legal location, permit number, drilling contractor, company representative, and the date and time of spudding. Note full name of person taking "notification of spud" on initial morning and tour reports.
- Run 750' of 9-5/8", 36#, J-55, ST&C casing. Cement the 9-5/8" casing to surface per cementing specifications. Top job if necessary with Class "G" cement containing a minimum 2% Calcium Chloride.
- Wait on cement 4 hours before slacking off weight and 12 hours before drilling out. Weld on a 9-5/8" x 11" 3M casing head and test weld to 1,500 psi. Nipple up BOPE with blind rams on bottom, pipe rams, and annular preventer on top. Perform BOPE tests.
- If a plug is used to facilitate BOPE tests, the casing will be tested prior to drillout to 1 psi/ft times the depth of the casing seat or 70% of the minimum internal yield pressure of the casing.
- Drill out using a 7-7/8" PDC bit and mud motor. After drilling 10' of new formation, perform a casing shoe test to an equivalent mud weight of 10.0 ppg for 10 minutes. Run a brass saver sub below the kelly at all times.



- Drill to TD ( $\pm 7,200'$  KB) with mud as detailed in this procedure. Mud-up will not be required until  $\pm 4,800'$  (331' above Trona water zone). Take deviation surveys every 500' or at bit trips. Keep deviation less than  $3^\circ$  and doglegs less than  $\frac{1}{2}^\circ/100'$  to TD.
- At TD, circulate to condition hole and trip out. Run the following open-hole logs:  
DIL-SP-GR-Caliper, TD to 763' KB (GR to Surface)  
CNL-FDC-GR, TD to 4,800' KB
- Clean out and condition hole and mud for running and cementing casing. Recommended mud properties: Plastic Viscosity (PV) < 15 centipoise (cp), Yield Point (YP) < 10 lb/100 ft<sup>2</sup>, 10-second/10-minute gel strength values should be such that the 10-second and 10-minute readings are close together or flat (i.e., 5/6). The 30-minute reading should be less than 20 lb/100 ft<sup>2</sup>. The goal of proper mud conditioning is to maximize displacement of mud and create turbulent flow during mud displacement/cementing operations. Work with mud engineer to manage PV/YP ratio to lower critical velocity necessary for turbulent flow.  
  
Pull and lay down drill pipe and collars. Run 5-1/2" production casing as detailed. Cement the 5-1/2" casing as detailed. Reciprocate casing while cementing. Immediately displace cement with water to leave no cement in the production casing.
- Release drilling rig and demobilize off location.

### **Casing and Cementing Program:**

Casing Program (new casing):

<u>Hole Size</u>	<u>Casing Size</u>	<u>Description</u>	<u>Setting Depth Interval</u>
26"	20"	Conductor	53' KB
12-1/4"	9-5/8"	36#, J-55, STC	0 – 763' KB
7-7/8"	5-1/2"	17#, K-55, LTC	0 – 7,200' KB

Casing with sufficient burst, collapse, and tension rating may be substituted for any of the above depending on availability.

The following safety factors were incorporated into the design of the casing program:

Burst	1.10
Collapse	1.125
Tension	1.80

For casing design purposes, the maximum mud weight at TD is assumed 10.0 ppg.

Cementing Program:

Conductor: Conductor cement will be neat Class "G" containing CaCl<sub>2</sub>. The volume of cement will be as required to cement to surface.



- Surface:** Surface casing cement will consist of primary slurry: 440 sks premium class G cement w/0.25 lb/sk Flocele, 2%  $\text{CaCl}_2$  and other appropriate additives, 1.15 cuft/sk, 15.80 lb/gal; top out slurry: 100 sks premium class G cement, 1.15 cuft/sk, 15.8 lb/gal. Slurry volumes will be adjusted as required to cement to surface plus 100% excess. Casing hardware will include guide shoe, insert float, six centralizers, and a top plug.
- Production:** Production casing will be cemented in one stage consisting of 260 sks class G lead cement w/ appropriate additives, 4.41 cuft/sk, 11.0 lb/gal, to fill from 4,800' to surface and a tail of 440 sks 50/50 Poz cement w/ appropriate additives, 1.28 cuft/sk, 14.10 lb/gal, to fill from approximately 7,200' (TD) to 4,500'. Hardware will include a guide shoe, float collar, twenty-five centralizers, and a top plug. Actual cement volumes are to be based on callipered hole volume plus 35% excess.

Actual cement slurries for conductor, surface, and production casing will be based on final service company recommendations.

The DOGM shall be notified at least twenty-four hours prior to running and cementing the surface and production casing strings.

### **Blow Out Prevention Equipment:**

Minimum specifications for BOP equipment while drilling 7-7/8" hole to 7,200' KB below 9-5/8" casing are:

- 3,000 psi 9-5/8" casing head
- 3,000 psi csg/drilling spool w/outlets for kill and manifold line
- 3,000 double ram BOP with pipe rams and blind rams
- 3,000 psi spherical
  - upper and lower kelly cocks
  - flow nipple w/flow and fill line

Ram type BOP, choke manifold, and related equipment will be tested to rated working pressure of BOP stack, if isolated from the surface casing by a test plug, or 70% of internal yield of casing if not isolated. Annular type preventers shall be tested to 50% of rated working pressure. Pressure shall be maintained for at least 10 minutes or until the requirements of the test are met, whichever is longer. Testing will be performed when initially installed, whenever any seal subject to test is broken, following related repairs and at least every 30 days. Pipe rams and blind rams shall be functionally operated on every trip. Annular type preventers shall be functionally operated at least weekly.

Accessories to BOP include a kelly cock, floor safety valve, and choke manifold with pressure rating equivalent to the BOP stack. All auxiliary BOP equipment will be tested to appropriate pressures when BOPs are tested.



All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

Choke manifold equipment shall be functionally equivalent to the attached diagram. The configuration of the chokes may vary.

All valves in the kill line choke manifold, and choke line shall be a type that does not restrict the flow (full opening) and that allows a straight through flow.

Pressure gauges in the well control system shall be a type designed for drilling fluid service.

The accumulator will have sufficient capacity to open the hydraulically controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps. The fluid reservoir capacity will be double the accumulator capacity and the fluid level be maintained at the manufacturer's recommendations. The BOP system will have two independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every 6 months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in Onshore Oil & Gas Order Number 2.

### **Mud Program:**

INTERVAL (feet)	MUD WEIGHT (lbs/gal)	VISCOSITY (sec/qt)	FLUID LOSS (ml/30 min)	MUD TYPE
0 – 4,800	8.3 – 8.7	35 +/-	-	Water/Polymer
4,800 – 7,200	8.7 – 10.0	35 +/-	10cc/less	Low Solids Non Disp

Mud gain or loss will be visually monitored. Mud loggers will be rigged up prior to encountering anticipated hydrocarbon zones to monitor hydrocarbon content in the mud. Minimum mud weights will be maintained to insure fast penetration rates, and decrease the chances of lost circulation. An adequate amount of mud will be kept on location or readily accessible for the purpose of maintaining well control during the course of drilling operations.



Mud up with a LSND/PHPA system will occur at approximately 4,800'. Trona water entry at  $\pm 5,131'$  is expected to require 9.7 ppg drilling fluid to control. Filtration will be reduced to 10 cc's/30 minutes by the Trona water zone.

Sufficient mud inventory will be maintained on location during drilling operations to handle any adverse conditions that may occur, including LCM for lost circulation and weighting materials. The mud monitoring system will consist of visual pit markers. The hole will be kept full at all times.

### **Evaluation:**

A one-man mud logging unit will be in operation from a depth of approximately 4,000' to TD. Samples will be caught, cleaned, bagged, and marked as required.

Drill Stem Tests – No DST's are expected.

Coring – No coring is planned

Open-hole logs will include DIL-SP-GR-Caliper from TD to surface casing at 763' (GR to Surface) and CNL-FDC-GR from TD to 4,800'.

### **Expected Bottom-Hole Pressure and Abnormal Conditions:**

Hydrogen Sulfide – Water analysis from the offset Knight 14-30 well showed 7 ppm Hydrogen Sulfide ( $H_2S$ ) gas.

Bottom-hole pressure in the Douglas Creek Member of the Green River is expected to have a pressure gradient of approximately 0.43 psi/ft (3,096 psi at TD). Mud up will occur at  $\pm 4,800'$  due to water entry at  $\pm 5,131'$  and lost circulation. The Trona water zone is expected to require 9.7 ppg drilling fluid to control.

No abnormally high temperatures are expected. Bottom-hole temperature is expected to be approximately 150 °F.



# FLYING J OIL AND GAS INC.

## SURFACE USE PLAN

For

ULT 4-31

Located in

Township 3 South, Range 2 East, Section 31: NWNW  
660' FNL, 660' FWL

Uintah County, Utah



## **Surface Use Plan:**

Access will be from 6500 S also known as the J.E. Smith Ranch Road in the SE/4 section 19, T3S, R2E. An access road has been built to the Knight 14-30 well located in the SW/4 section 30. An additional 0.3 miles of new road will be built to access the ULT 4-31. See the attached exhibit "Topo B".

Current surface use is open range grazing.

Existing water and oil/gas wells within a one mile radius are shown on exhibit "Location of Existing Wells".

Planned production facilities are shown on exhibit "Production Facility Layout".

Construction materials are expected to be native and obtained on site.

No ancillary facilities are planned.

Waste management will include burial of drill cuttings on-site, and disposal of drilling mud, completion fluids and produced water into a permitted produced water disposal facility.

## **Reporting:**

**Drilling Contractor:** A daily report will be provided to the company drilling consultant each day. All tickets and reports including a copy of the daily drilling log will be provided to the drilling consultant and to the Roosevelt, Utah office weekly.

**Drilling Consultant:** A daily report on the specified form will be emailed or faxed to the Roosevelt, Utah and North Salt Lake, Utah offices. A report of well spudding and BOP testing will be called into a representative of the UDOGM at least 24 hours prior to conducting such operations. Before conducting any critical operation such as running pipe, cementing, drill stem testing, or logging, the drilling consultant should contact Jordan Nelson of the North Salt Lake office regarding the specific procedure for such operations.

**Mud Contractor:** The daily mud checks will be recorded and reported to the drilling consultant with accurate daily costs and volume of products used. A copy of these reports will be sent to the Roosevelt and North Salt Lake offices as a job summary.

**Mud Logger:** Reports should be provided as specified by Mr. Carl Kendell of the North Salt Lake office.



**AFFIDAVIT**

STATE OF UTAH       )  
                                  )ss:  
COUNTY OF DAVIS    )

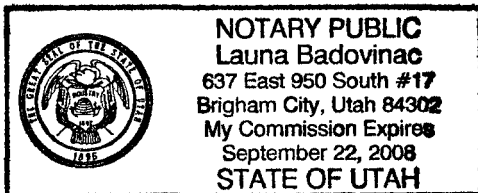
Chris J. Malan, of lawful age and being first duly sworn upon oath, deposes and says:

1. That he eighteen years of age or older and that he has personal knowledge of the matters set forth in this affidavit.
2. That he is currently employed as Vice President, General Counsel and Manager of Lands of Flying J Oil & Gas Inc. and in the course of his responsibilities has reached agreement with Utah Land Trust to use portions of Utah Land Trust lands for the ULT #12-29, the ULT #4-31 and ULT #6-31 Well sites and to use portions of Utah Land Trust lands for access roads to such well sites.
3. The locations of the well sites described above and the access roads to such well sites are generally as depicted on Exhibit A attached hereto and incorporated herein by this reference.

Further affiant sayeth not.

  
Chris J. Malan

Subscribed and sworn to before me this 15<sup>th</sup> day of April, 2008.



  
Notary Public for the State of Utah



**Landowner:**

Gilbert Maggs, Utah Land Trust      321-777-9100      Satellite Beach, FL

**Company Contacts:**

Flying J Oil & Gas Inc.

Invoices and Bills for this Project:

P.O. Drawer 130  
Roosevelt, UT 84066

Main Office:

333 West Center Street  
North Salt Lake, Utah 84054

Superintendent:

Larry Rich  
(435) 722-5166  
(435) 722-5169  
(435) 722-3111  
(435) 823-5520

Roosevelt Office  
Roosevelt Office Fax  
Home  
Cell

V.P., Operations:

Jim Wilson  
(801) 296-7710  
(801) 296-7888  
(801) 943-0693  
(801) 541-0300

North Salt Lake Office  
North Salt Lake Office Fax  
Home  
Cell

Engineer:

Jordan Nelson  
(801) 296-7772  
(801) 296-7888  
(801) 541-2589

North Salt Lake Office  
North Salt Lake Office Fax  
Cell

Geologist:

Carl Kendell  
(801) 296-7721  
(801) 296-7888  
(801) 547-0484

North Salt Lake Office  
North Salt Lake Office Fax  
Home

**Directions to Well Site:**

The well location will be approximately 18.9 miles south and east of Roosevelt.

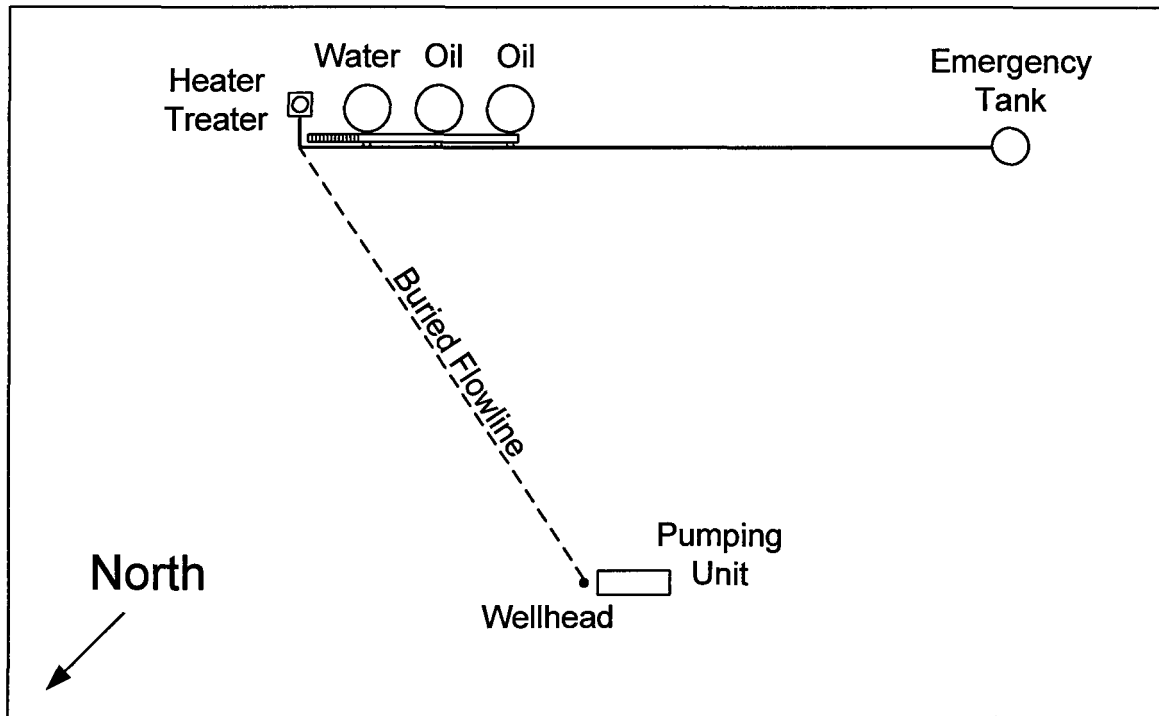
From Roosevelt, Utah:

Go east from center of Roosevelt on Highway 40 for 7.0 miles. Turn south on 7500 E. and proceed for 6.9 miles. Take the left fork on gravel road (Leland Bench Road) and go 0.7 miles. Take the left fork (J.E. Smith Ranch Road) and go for 2.6 miles. Turn right (south) on access road and proceed 1.7 miles to the well site.



## ULT 4-31

### Completed Well Production Facility Layout (Not to Scale)





# FLYING J OIL & GAS INC.

**ULT #4-31**

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 31, T3S, R2E, U.S.B.&M.

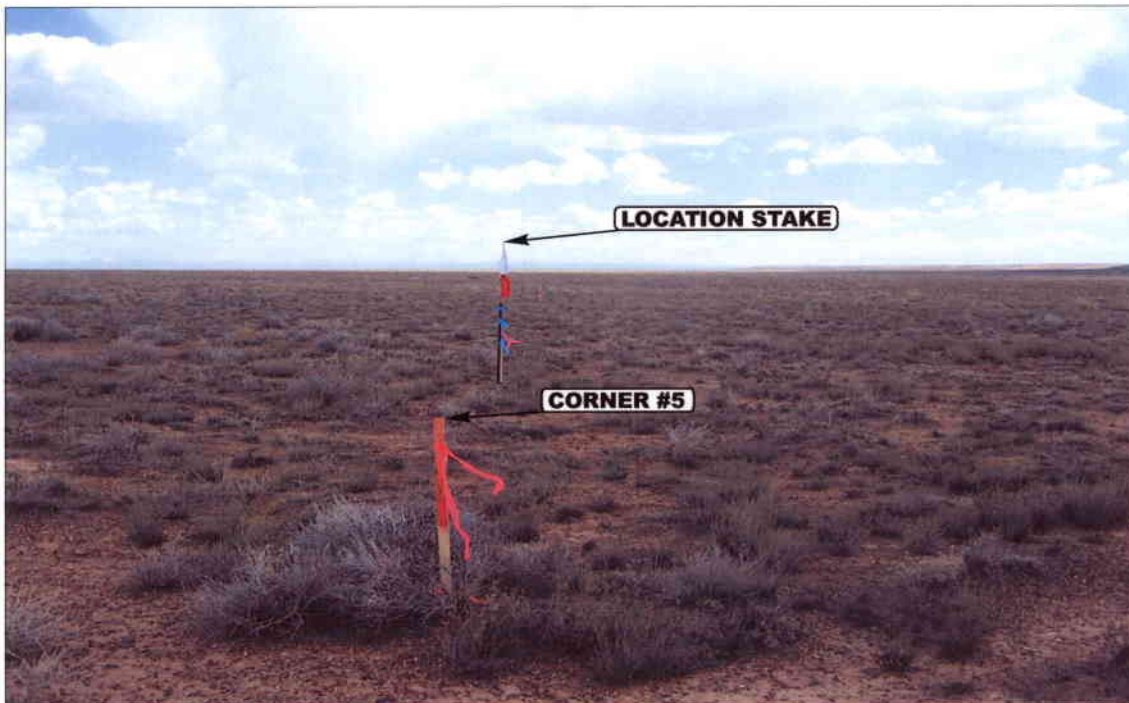


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHWESTERLY



- Since 1964 -

Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

**LOCATION PHOTOS**

**4**  
MONTH

**8**  
DAY

**08**  
YEAR

**PHOTO**

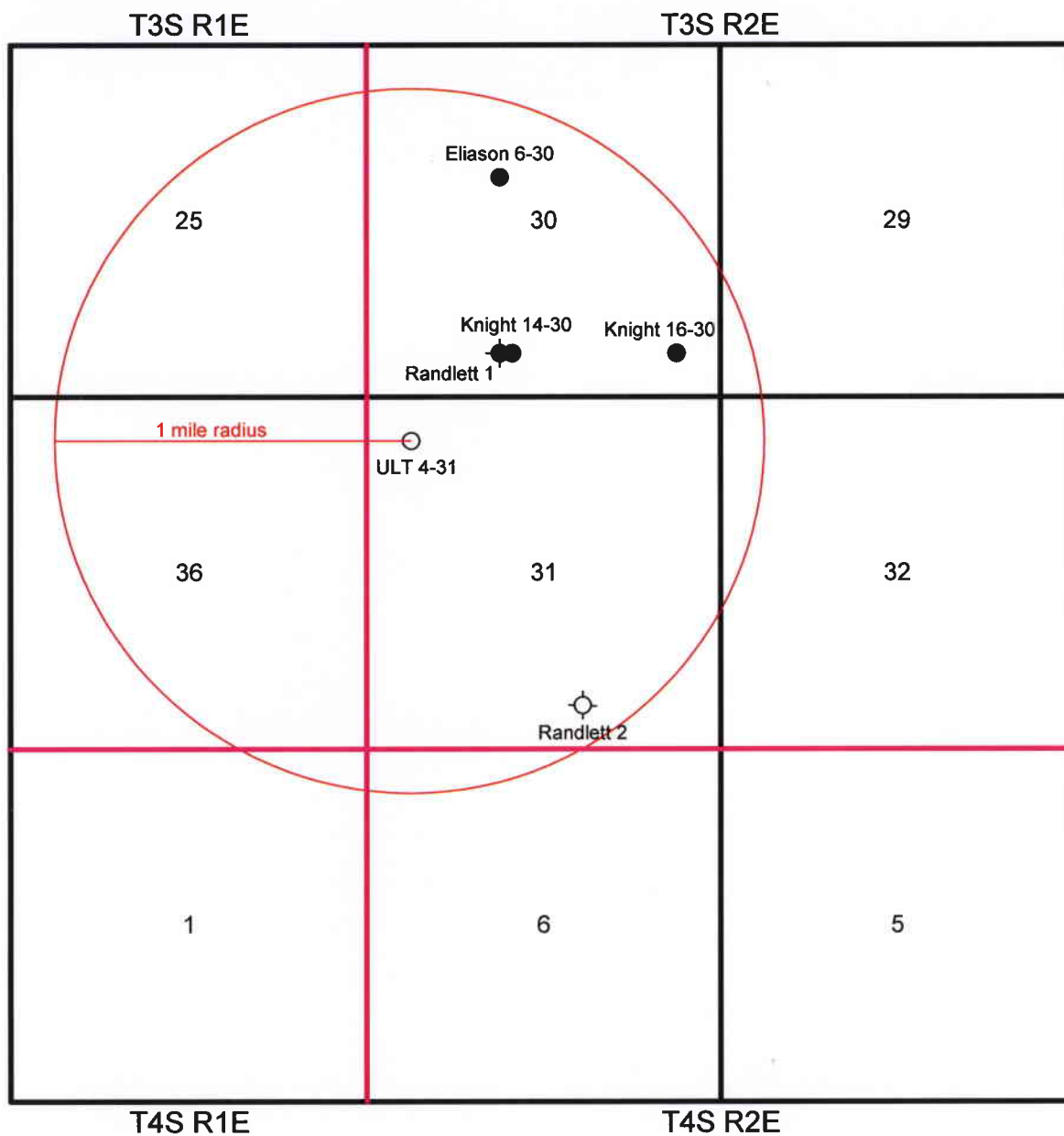
TAKEN BY: T.A.

DRAWN BY: G.L.

REVISED: 00-00-00



## Location of Existing Wells



Scale: 1" = 2640'

### Oil/Gas Wells

- Eliason 6-30
- Knight 14-30
- Knight 16-30
- ⊙ Randlett 1, P&A
- ⊕ Randlett 2, D&A

### Water Wells

None



# FLYING J OIL & GAS INC.

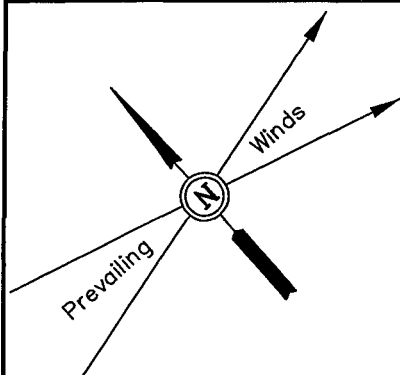
## LOCATION LAYOUT FOR

ULT #4-31  
SECTION 31, T3S, R2E, U.S.B.&M.  
660' FNL 660' FWL

SCALE: 1" = 50'

DATE: 04-10-08

DRAWN BY: L.K.



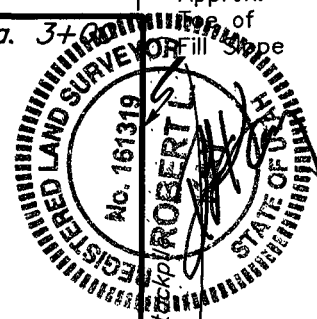
Proposed Access Road

F-0.5'  
El. 40.7'

Approx.  
Top of  
Cut Slope

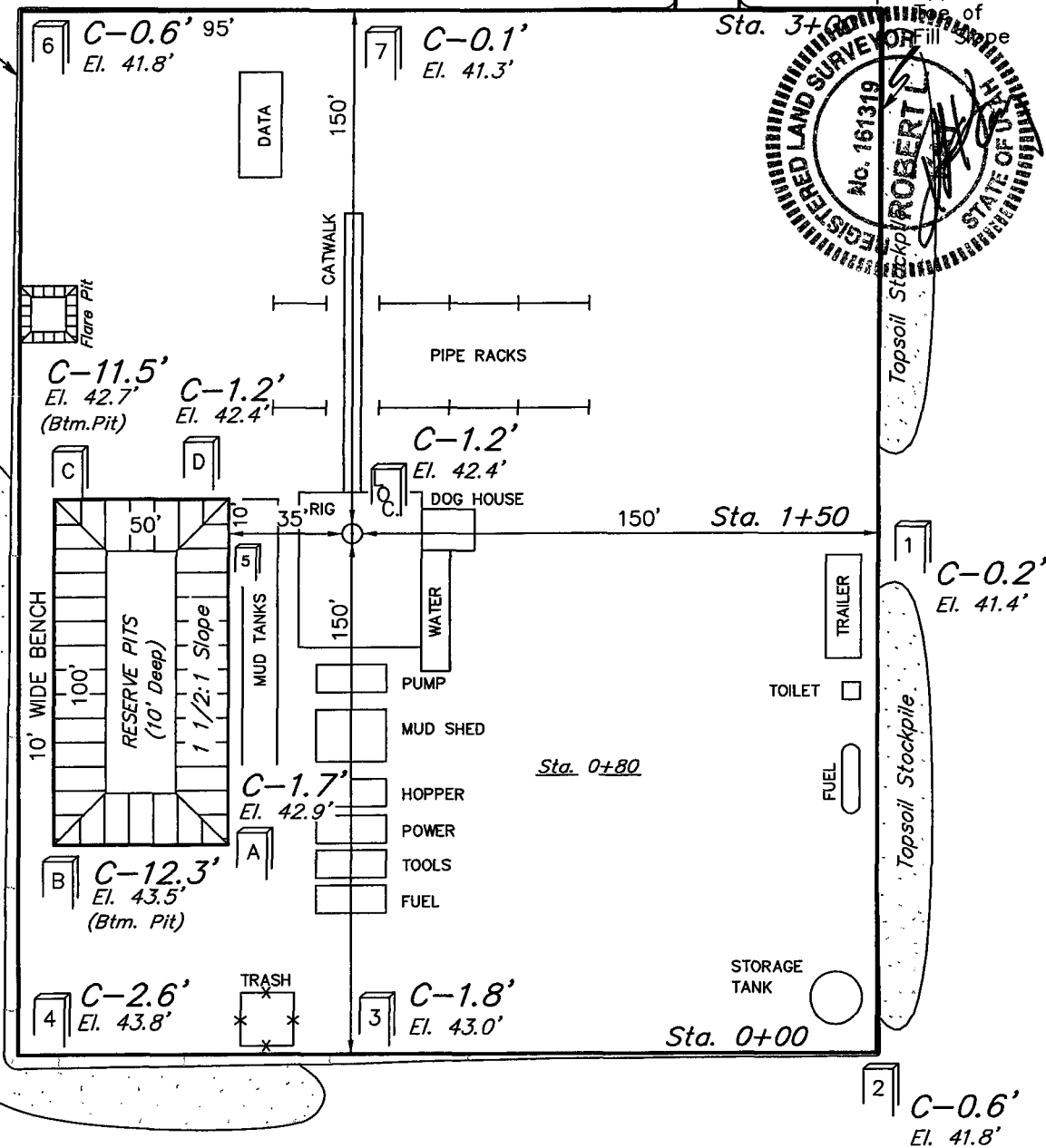
### NOTE:

Flare Pit is to  
be located a min.  
of 100' from the  
Well Head.



Total Pit Capacity  
W/2' of Freeboard  
= 3,810 Bbls. ±  
Total Pit Volume  
= 1,130 Cu. Yds.

Reserve Pit Backfill  
& Spoils Stockpile



Elev. Ungraded Ground at Location Stake = 5042.4'  
Elev. Graded Ground at Location Stake = 5041.2'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah. 84078 \* (435) 789-1017



# FLYING J OIL & GAS INC.

## TYPICAL CROSS SECTIONS FOR

ULT #4-31  
SECTION 31, T3S, R2E, U.S.B.&M.  
660' FNL 660' FWL

### NOTE:

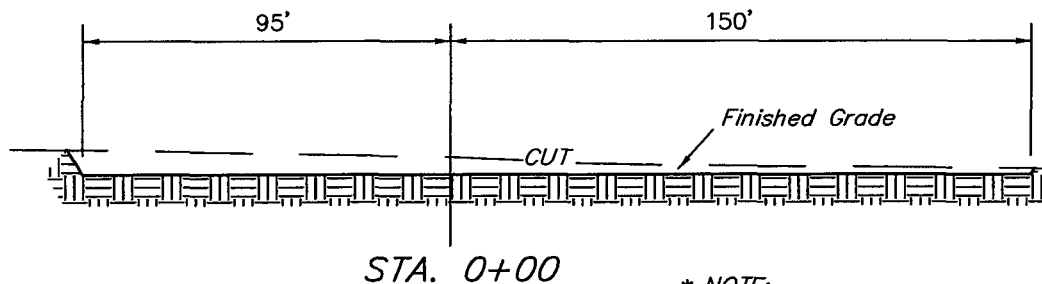
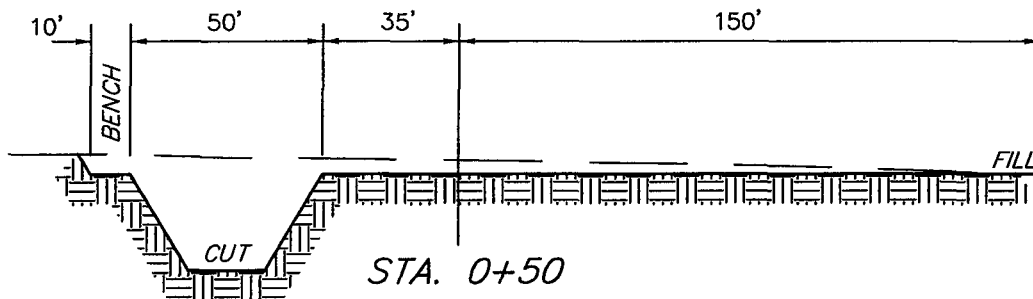
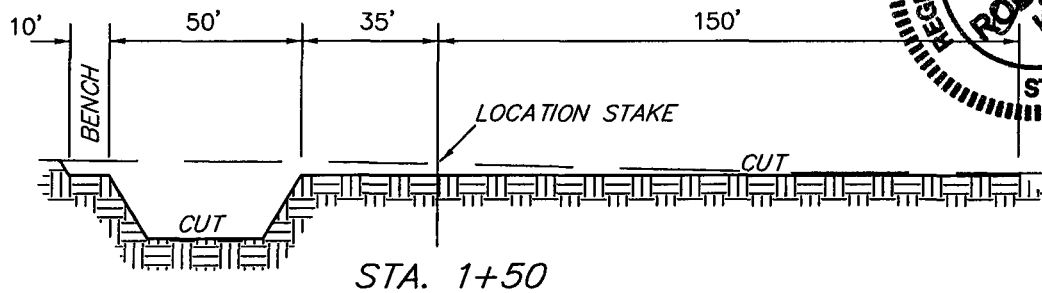
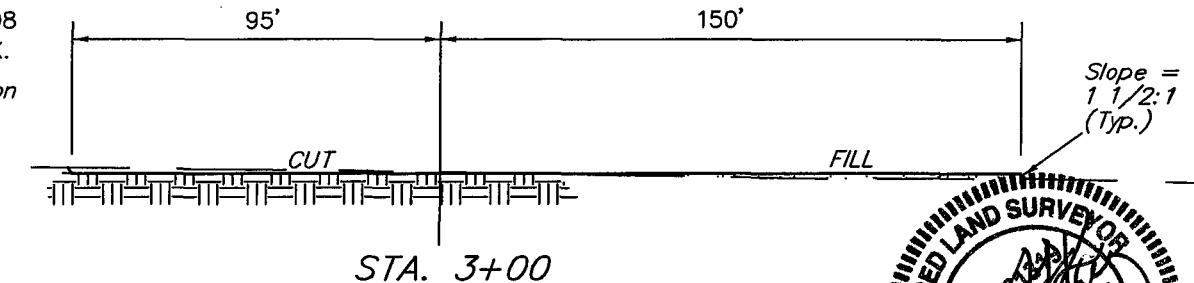
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

1" = 20'  
X-Section Scale  
1" = 50'

DATE: 04-10-08

DRAWN BY: L.K.

Preconstruction Grade



### APPROXIMATE YARDAGES

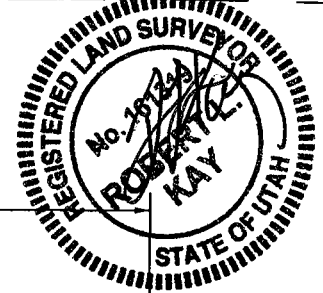
CUT	
(12") Topsoil Stripping	= 2,810 Cu. Yds.
Remaining Location	= 1,720 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 4,530 CU.YDS.</b>
<b>FILL</b>	<b>= 1,150 CU.YDS.</b>

### \* NOTE:

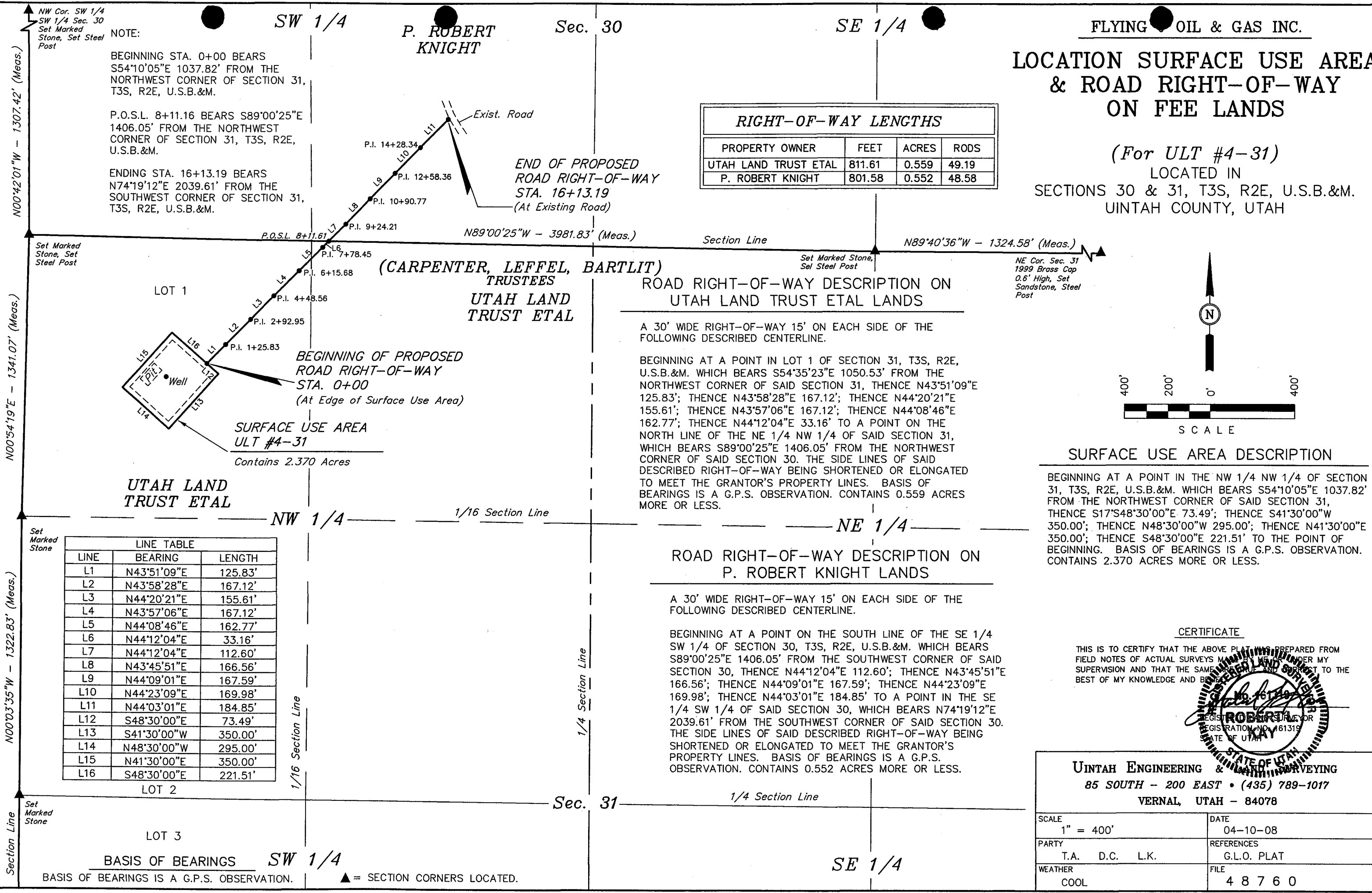
FILL QUANTITY INCLUDES  
5% FOR COMPACTION

EXCESS MATERIAL	= 3,380 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,380 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017







FLYING OIL & GAS INC.

LOCATION SURFACE USE AREA  
& ROAD RIGHT-OF-WAY  
ON FEE LANDS

(For ULT #4-31)  
LOCATED IN  
SECTIONS 30 & 31, T3S, R2E, U.S.B.&M.  
UINTAH COUNTY, UTAH

RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
UTAH LAND TRUST ETAL	811.61	0.559	49.19
P. ROBERT KNIGHT	801.58	0.552	48.58

ROAD RIGHT-OF-WAY DESCRIPTION ON  
UTAH LAND TRUST ETAL LANDS

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE  
FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN LOT 1 OF SECTION 31, T3S, R2E,  
U.S.B.&M. WHICH BEARS S54°35'23"E 1050.53' FROM THE  
NORTHWEST CORNER OF SAID SECTION 31, THENCE N43°51'09"E  
125.83'; THENCE N43°58'28"E 167.12'; THENCE N44°20'21"E  
155.61'; THENCE N43°57'06"E 167.12'; THENCE N44°08'46"E  
162.77'; THENCE N44°12'04"E 33.16' TO A POINT ON THE  
NORTH LINE OF THE NE 1/4 NW 1/4 OF SAID SECTION 31,  
WHICH BEARS S89°00'25"E 1406.05' FROM THE NORTHWEST  
CORNER OF SAID SECTION 30. THE SIDE LINES OF SAID  
DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED  
TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF  
BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.559 ACRES  
MORE OR LESS.

ROAD RIGHT-OF-WAY DESCRIPTION ON  
P. ROBERT KNIGHT LANDS

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE  
FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT ON THE SOUTH LINE OF THE SE 1/4  
SW 1/4 OF SECTION 30, T3S, R2E, U.S.B.&M. WHICH BEARS  
S89°00'25"E 1406.05' FROM THE SOUTHWEST CORNER OF SAID  
SECTION 30, THENCE N44°12'04"E 112.60'; THENCE N43°45'51"E  
166.56'; THENCE N44°09'01"E 167.59'; THENCE N44°23'09"E  
169.98'; THENCE N44°03'01"E 184.85' TO A POINT IN THE SE  
1/4 SW 1/4 OF SAID SECTION 30, WHICH BEARS N74°19'12"E  
2039.61' FROM THE SOUTHWEST CORNER OF SAID SECTION 30.  
THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING  
SHORTENED OR ELONGATED TO MEET THE GRANTOR'S  
PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S.  
OBSERVATION. CONTAINS 0.552 ACRES MORE OR LESS.

SURFACE USE AREA DESCRIPTION

BEGINNING AT A POINT IN THE NW 1/4 NW 1/4 OF SECTION  
31, T3S, R2E, U.S.B.&M. WHICH BEARS S54°10'05"E 1037.82'  
FROM THE NORTHWEST CORNER OF SAID SECTION 31,  
THENCE S17°S48°30'00"E 73.49'; THENCE S41°30'00"W  
350.00'; THENCE N48°30'00"W 295.00'; THENCE N41°30'00"E  
350.00'; THENCE S48°30'00"E 221.51' TO THE POINT OF  
BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION.  
CONTAINS 2.370 ACRES MORE OR LESS.

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

ROBERT KNIGHT

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

UINTAH ENGINEERING & SURVEYING	
85 SOUTH - 200 EAST • (435) 789-1017	
VERNAL, UTAH - 84078	
SCALE 1" = 400'	DATE 04-10-08
PARTY T.A. D.C. L.K.	REFERENCES G.L.O. PLAT
WEATHER COOL	FILE 4 8 7 6 0

NOTE:

BEGINNING STA. 0+00 BEARS  
S54°10'05"E 1037.82' FROM THE  
NORTHWEST CORNER OF SECTION 31,  
T3S, R2E, U.S.B.&M.

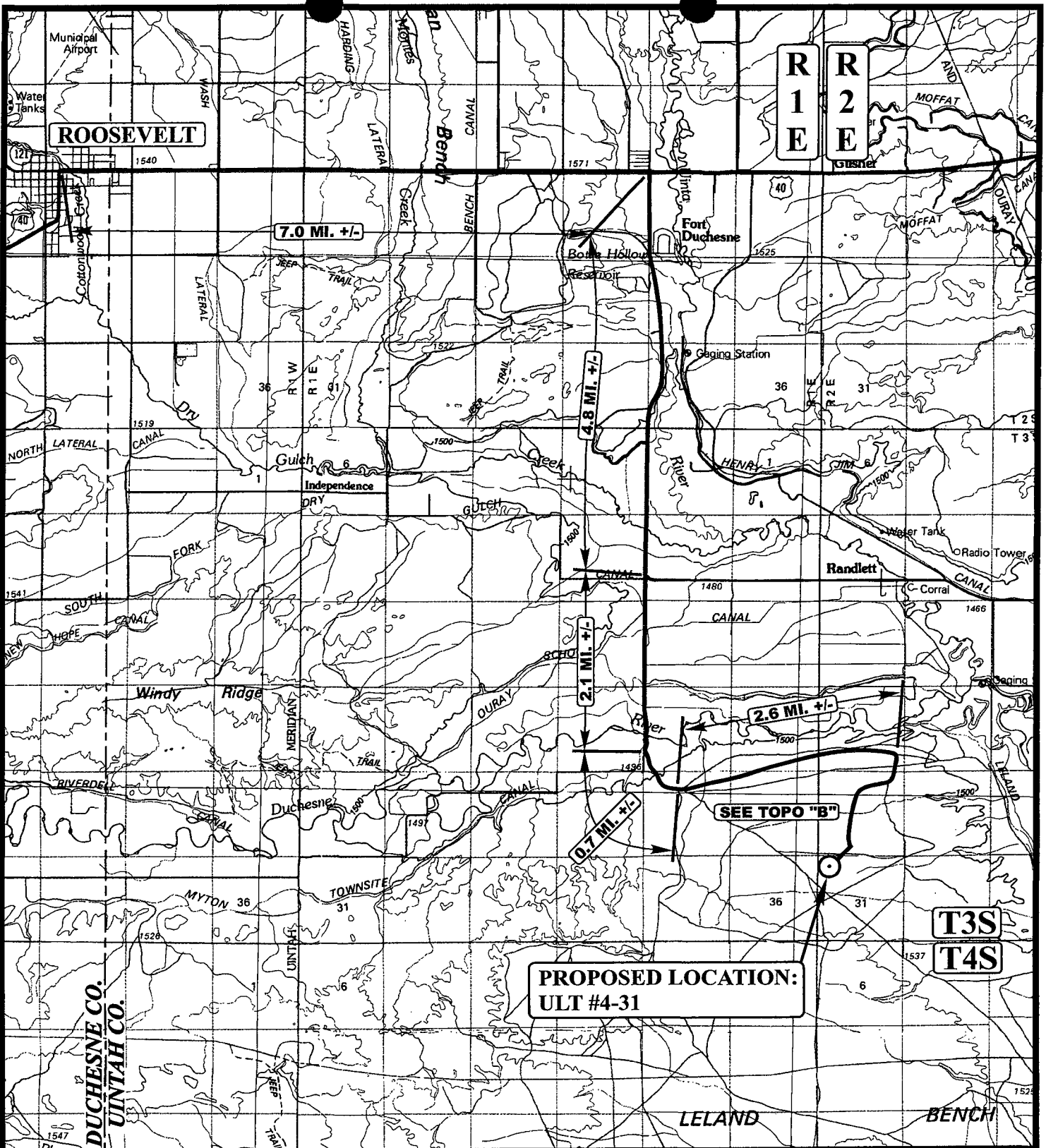
P.O.S.L. 8+11.16 BEARS S89°00'25"E  
1406.05' FROM THE NORTHWEST  
CORNER OF SECTION 31, T3S, R2E,  
U.S.B.&M.

ENDING STA. 16+13.19 BEARS  
N74°19'12"E 2039.61' FROM THE  
SOUTHWEST CORNER OF SECTION 31,  
T3S, R2E, U.S.B.&M.

LINE TABLE		
LINE	BEARING	LENGTH
L1	N43°51'09"E	125.83'
L2	N43°58'28"E	167.12'
L3	N44°20'21"E	155.61'
L4	N43°57'06"E	167.12'
L5	N44°08'46"E	162.77'
L6	N44°12'04"E	33.16'
L7	N44°12'04"E	112.60'
L8	N43°45'51"E	166.56'
L9	N44°09'01"E	167.59'
L10	N44°23'09"E	169.98'
L11	N44°03'01"E	184.85'
L12	S48°30'00"E	73.49'
L13	S41°30'00"W	350.00'
L14	N48°30'00"W	295.00'
L15	N41°30'00"E	350.00'
L16	S48°30'00"E	221.51'

BASIS OF BEARINGS SW 1/4  
BASIS OF BEARINGS IS A G.P.S. OBSERVATION. ▲ = SECTION CORNERS LOCATED.





# LEGEND:

○ PROPOSED LOCATION



FLYING J OIL & GAS INC.

ULT #4-31  
SECTION 31, T3S, R2E, U.S.B.&M.  
660' FNL 660' FWL



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

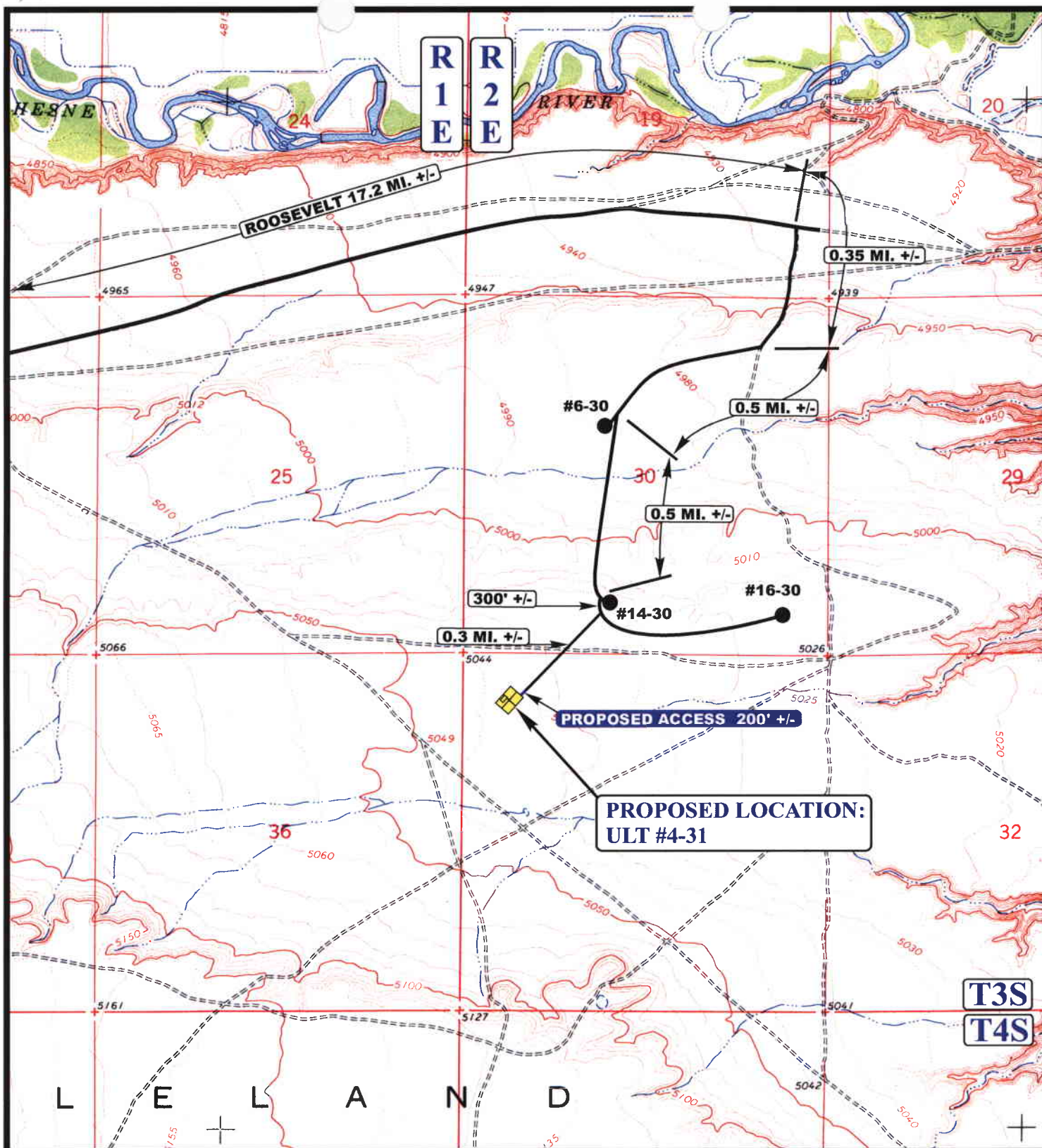
TOPOGRAPHIC  
MAP

4 8 08  
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: GL. REVISED: 00-00-00







# LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK NEEDS UPGRADED

## FLYING J OIL & GAS INC.

ULT #4-31  
 SECTION 31, T3S, R2E, U.S.B.&M.  
 660' FNL 660' FWL



Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



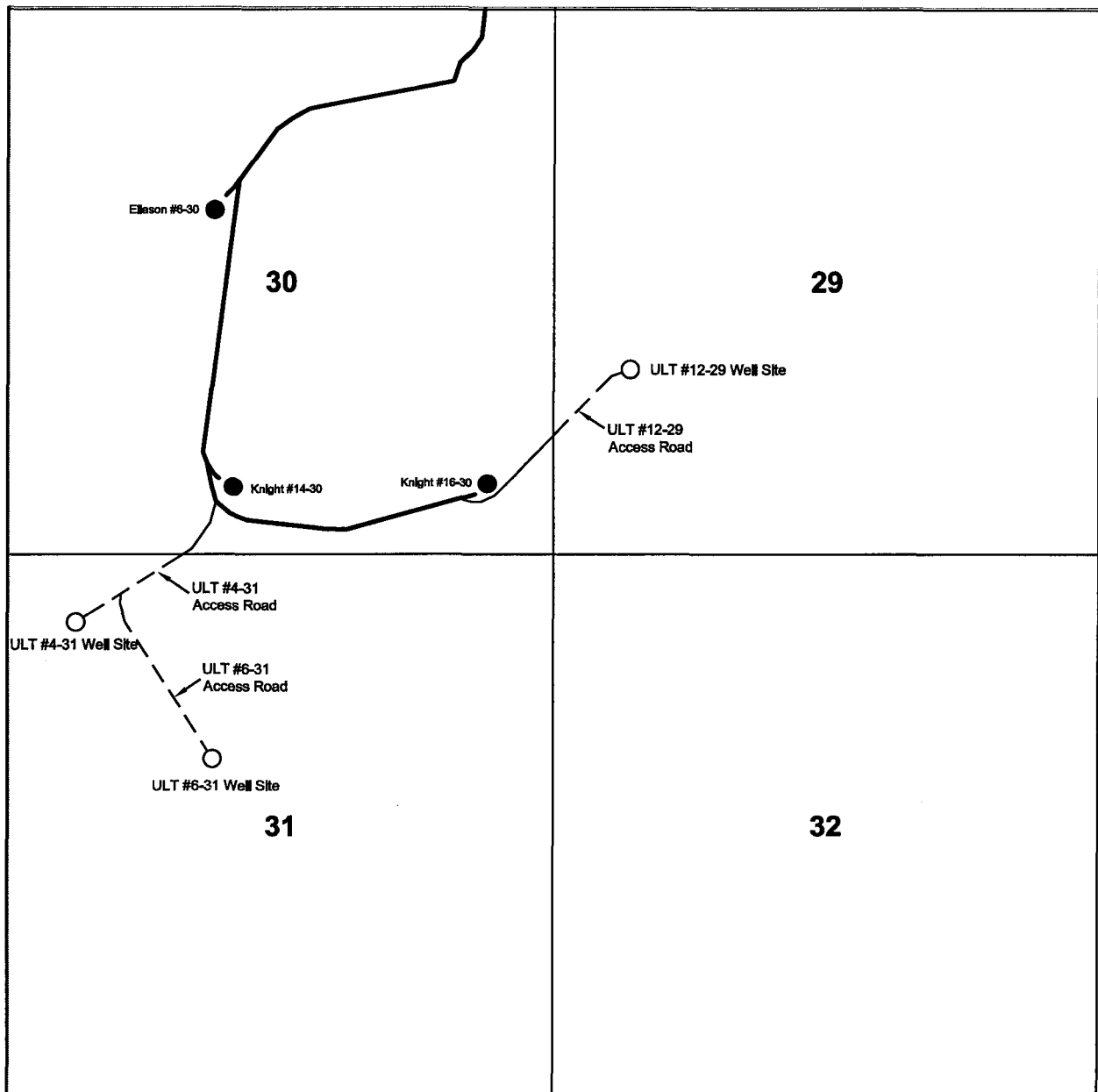
TOPOGRAPHIC  
 MAP

4 8 08  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: GL. REVISED: 00-00-00







### LEGEND:

- EXISTING ROADS
- PROPOSED ACCESS ROADS OFF OF SURFACE OWNER'S LAND
- PROPOSED ACCESS ROADS

### WELL SITE LOCATIONS:

ULT #12-29  
SECTION 29, T3S, R2E, U.S.B.&M.  
1797' FSL 741' FWL

ULT #4-31  
SECTION 31, T3S, R2E, U.S.B.&M.  
660' FNL 660' FWL

ULT #6-31  
SECTION 31, T3S, R2E, U.S.B.&M.  
1980' FNL 1980' FWL

**UTAH LAND TRUST LEASE, EASEMENT  
AND SURFACE USE AGREEMENT**

**EXHIBIT A**

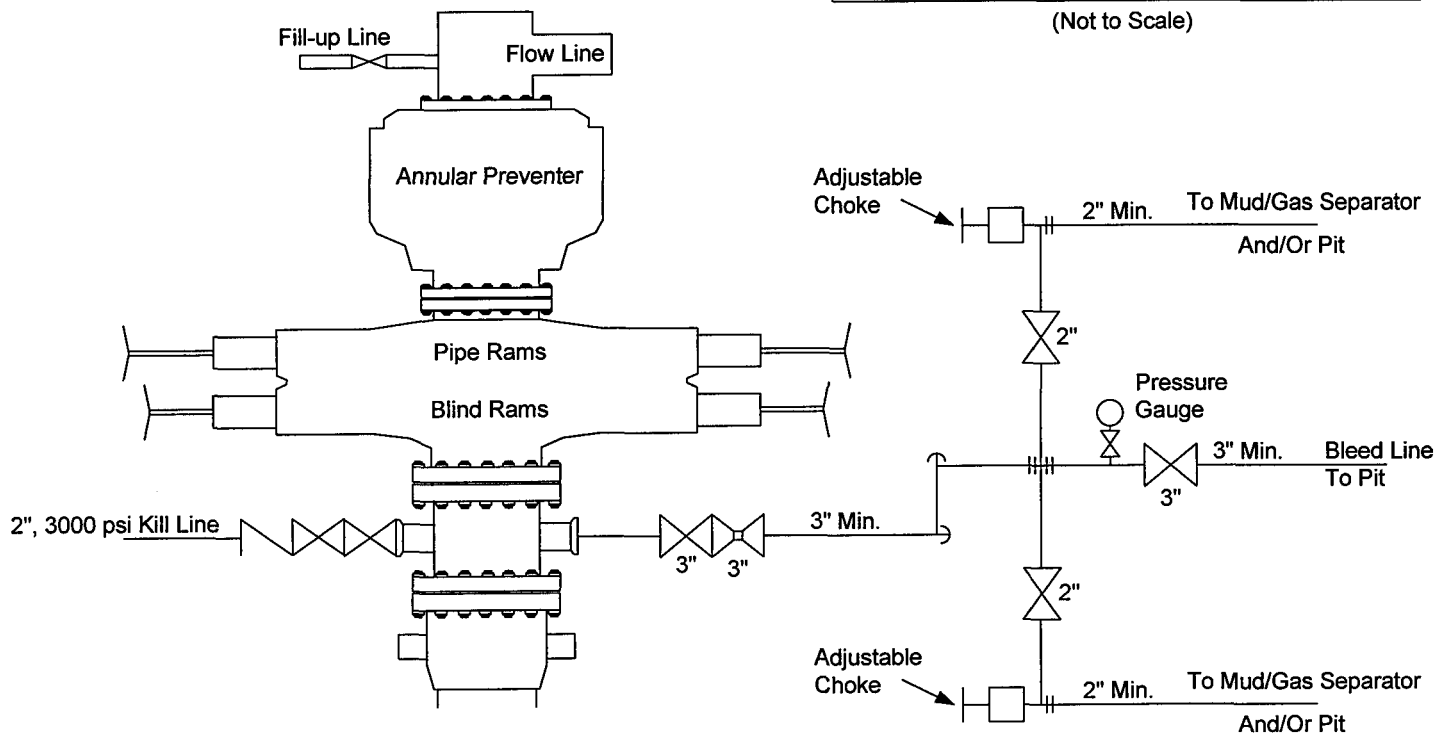
**FLYNG J OIL & GAS INC.**



Flying J Oil & Gas Inc.

ULT 4-31  
3000 PSI BOP Schematic

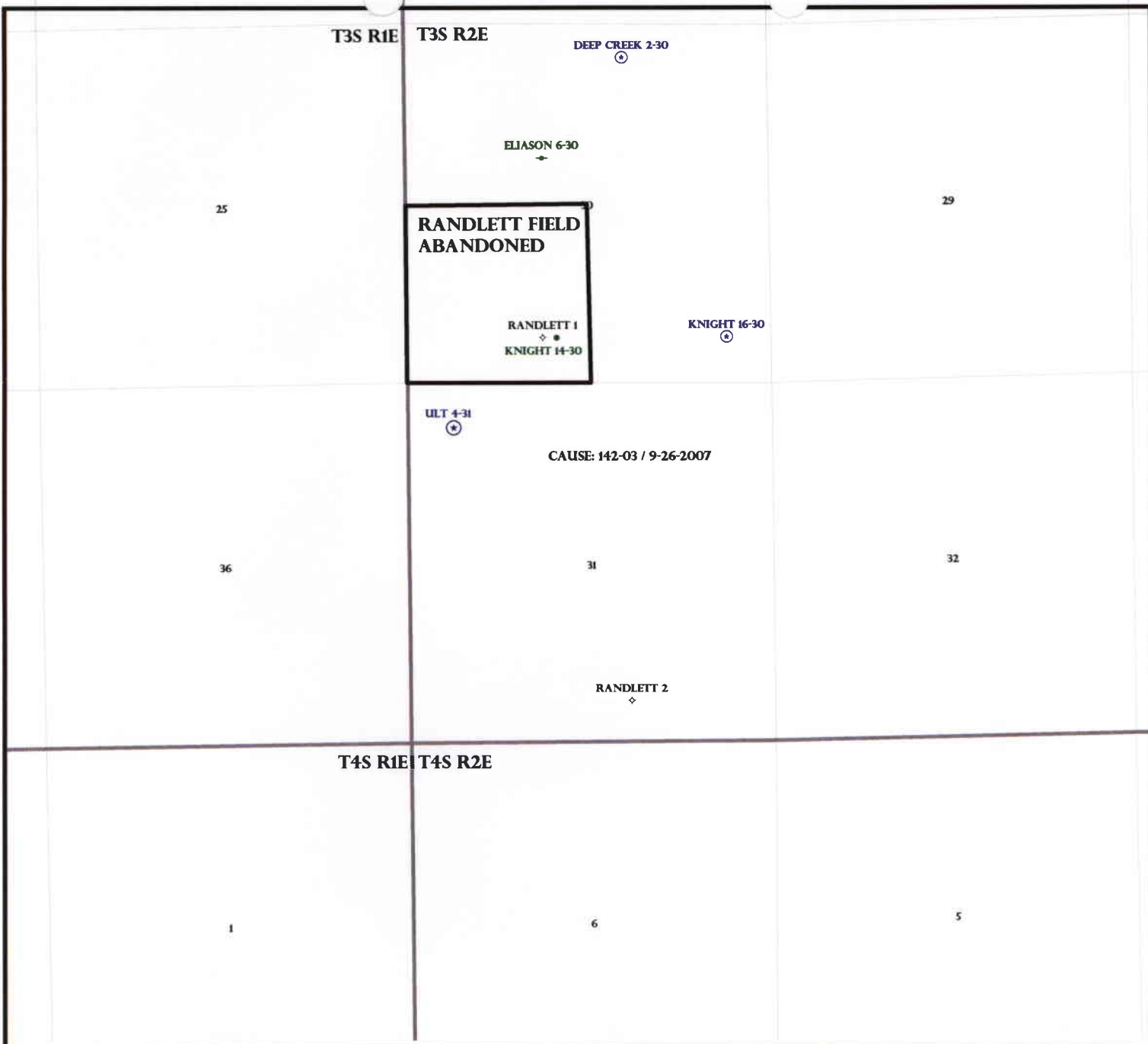
(Not to Scale)





STIPULATIONS: 1- STATEMENT OF BASIS





OPERATOR: FLYING J O&G INC (N8080)

SEC: 31 T.3S R. 2E

FIELD: WILDCAT (001)

COUNTY: UINTAH

CAUSE: 142-03 / 9-26-2007

**Field Status**

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

**Unit Status**

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

**Wells Status**

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



PREPARED BY: DIANA MASON  
DATE: 25-APRIL-2008



# Application for Permit to Drill

## Statement of Basis

5/19/2008

Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Ownr</b>	<b>CBM</b>
753	43-047-40017-00-00		OW	P	No
<b>Operator</b>	FLYING J OIL & GAS INC	<b>Surface Owner-APD</b>			
<b>Well Name</b>	ULT 4-31	<b>Unit</b>			
<b>Field</b>	WILDCAT	<b>Type of Work</b>			
<b>Location</b>	NWNW 31 3S 2E U 660 FNL 660 FWL	GPS Coord (UTM)	600586E	4448655N	

### Geologic Statement of Basis

Flying J proposes to set 53' of conductor pipe and 763' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 2,000'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 31. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The Uinta Formation is not expected to be a significant source of water in this area. The production casing cement should be brought up above the base of the moderately saline water in order to isolate it from fresher waters up hole.

Brad Hill  
APD Evaluator

5/19/2008  
Date / Time

### Surface Statement of Basis

The general area is on Leland Bench, which is located about 8 miles southeast of Ft. Duchesne, Uintah County, Utah. Broad flats with low growing desert shrub type vegetation characterize Leland Bench. A few rolling hills and slopes leading to higher flats occur. No springs, seeps or flowing streams are known to occur in the area. The Duchesne River is approximately 2 miles to the north. All lands in the immediate are privately owned. Ute Tribal lands lie to the northeast and southwest.

Access to the proposed well site is by State Of Utah and Uintah County roads and existing or proposed oilfield development roads. Distance from Roosevelt, Utah is approximately 18.9 miles. Approximately 0.3 miles of low standard new road will be constructed to reach the location.

The proposed ULT 4-31 oil well is on a flat with a slight slope to the southeast. A rise or higher level occurs approximately 1 mile to the south. No swales or drainages occur in the immediate area. Both the surface and minerals are privately owned. Gilbert Maggs, Utah Land Trust owns the surface. Mr. Maggs was contacted by telephone and invited to attend the pre-site visit. He said he would not attend. His brother-in-law Alan Smith had seen the site and relayed no concerns to him. A surface use agreement has been completed. The location appears to be a good site for constructing a pad, drilling and operating a well.

Floyd Bartlett  
Onsite Evaluator

5/14/2008  
Date / Time

### Conditions of Approval / Application for Permit to Drill

<b>Category</b>	<b>Condition</b>
Pits	A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.



# **ON-SITE PREDRILL EVALUATION**

## **Utah Division of Oil, Gas and Mining**

**Operator** FLYING J OIL & GAS INC  
**Well Name** ULT 4-31  
**API Number** 43-047-40017-0 **APD No** 753 **Field/Unit** WILDCAT  
**Location:** 1/4,1/4 NWNW **Sec** 31 **Tw** 3S **Rng** 2E 660 FNL 660 FWL  
**GPS Coord (UTM)** 600584 4448665 **Surface Owner**

### **Participants**

Floyd Bartlett (DOGM) and Larry Rich (Flying J Oil and Gas Co.)

### **Regional/Local Setting & Topography**

The general area is on Leland Bench, which is located about 8 miles southeast of Ft. Duchesne, Uintah County, Utah. Broad flats with low growing desert shrub type vegetation characterize Leland Bench. A few rolling hills and slopes leading to higher flats occur. No springs, seeps or flowing streams are known to occur in the area. The Duchesne River is approximately 2 miles to the north. All lands in the immediate are privately owned. Ute Tribal lands lie to the northeast and southwest.

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### **Surface Use Plan**

#### **Current Surface Use**

Grazing  
Recreational  
Wildlife Habitat

#### **New Road**

Miles	Well Pad	Src Const Material	Surface Formation
0.3	Width 235	Length 300 Onsite	UNTA

**Ancillary Facilities** N

### **Waste Management Plan Adequate?**

### **Environmental Parameters**

**Affected Floodplains and/or Wetland** N

#### **Flora / Fauna**

Vegetation is a fair desert shrub-forb type. Main plants are horse-brush, Gardner salt-brush, broom snakeweed, bud sagebrush, black sagebrush, cheatgrass, curly mesquite grass, prickly pear, globe mallow, squirrel tail and annual forbs.

Because of the lack of water and cover the area is not rich in fauna. Antelope, coyotes, prairie dogs and small



mammals and rodents occur. Some shrub dependent birds may occur but were not observed. Historically but not currently sheep grazed the area.

#### Soil Type and Characteristics

Soils are a deep sandy loam with little rock.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required N

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? N    Paleo Potential Observed? N    Cultural Survey Run? N    Cultural Resources?

#### Reserve Pit

##### Site-Specific Factors

##### Site Ranking

Distance to Groundwater (feet)	100 to 200	5
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	300 to 1320	10
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	<10	0
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0
Final Score		30
		1
		Sensitivity Level

##### Characteristics / Requirements

A 50' x 100' x 8' deep reserve pit is planned in a cut on the southwest corner of the location. A liner with a minimum thickness of 12-mils is required. A sub-liner may not be needed because of the lack of rock in the area.

Closed Loop Mud Required? N    Liner Required? Y    Liner Thickness 12    Pit Underlayment Required?

#### Other Observations / Comments

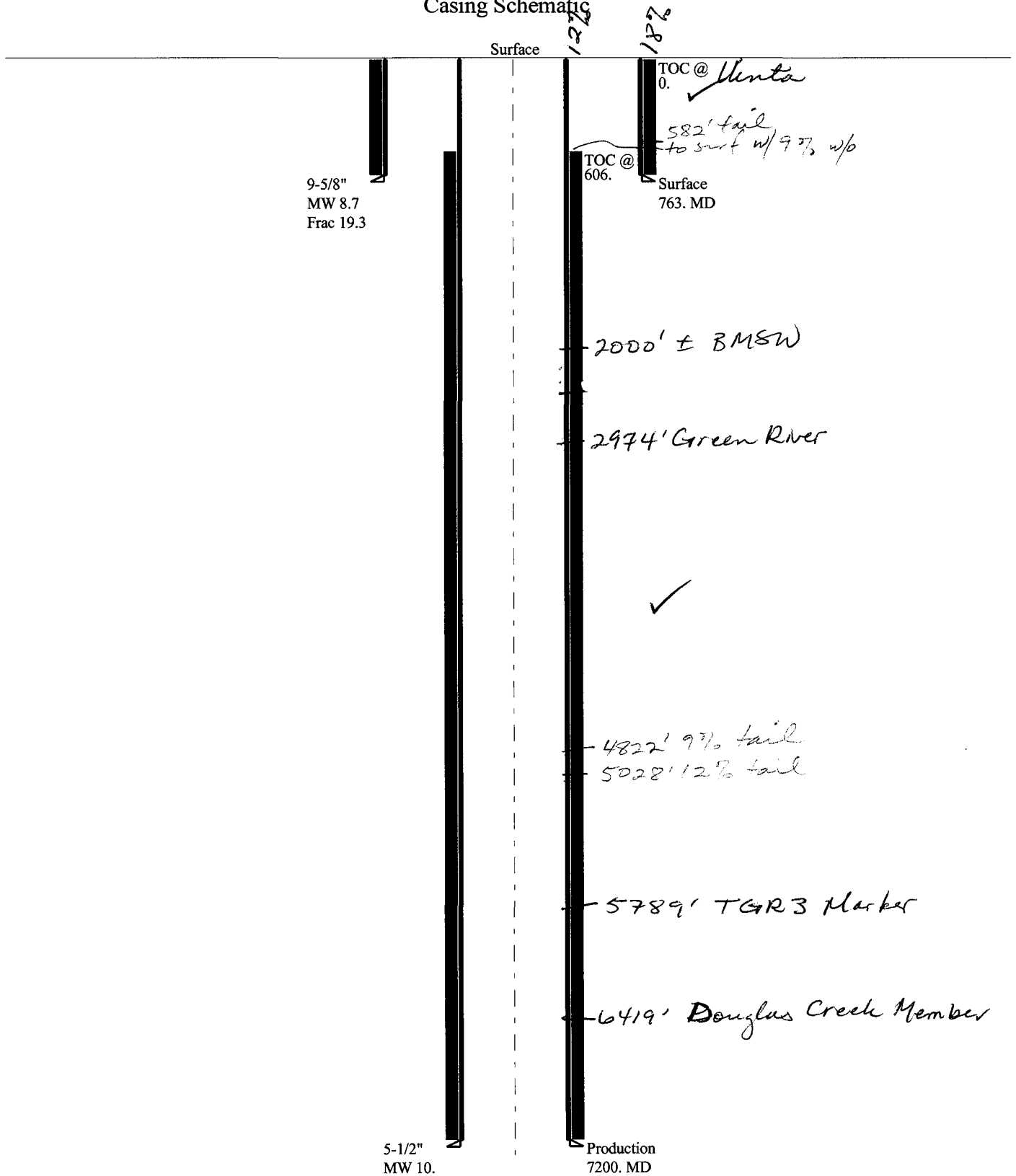
Floyd Bartlett  
Evaluator

5/14/2008  
Date / Time



# 2008-06 Flying J Ult 4-31

## Casing Schematic





Well name:

**2008-06 Flying J Ult 4-31**Operator: **Flying J Oil & Gas, Inc.**

String type: Surface

Project ID:

43-047-40017

Location: Uintah Co.

**Design parameters:****Collapse**Mud weight: 8.700 ppg  
Design is based on evacuated pipe.**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**H2S considered? No  
Surface temperature: 65 °F  
Bottom hole temperature: 76 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 185 ft

Cement top: Surface

**Burst**Max anticipated surface  
pressure: 671 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 763 psi

No backup mud specified.

**Tension:**8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)Tension is based on air weight.  
Neutral point: 665 ft**Non-directional string.****Re subsequent strings:**Next setting depth: 7,200 ft  
Next mud weight: 10.000 ppg  
Next setting BHP: 3,740 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 763 ft  
Injection pressure: 763 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	763	9.625	36.00	J-55	ST&C	763	763	8.796	331.2
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	345	2020	5.858	763	3520	4.61	27	394	14.34 J

Prepared Helen Sadik-Macdonald  
by: Div of Oil, Gas & Minerals

Phone: 810-538-5357

Date: June 4, 2008  
Salt Lake City, Utah**ENGINEERING STIPULATIONS: NONE**

Collapse strength is based on the Westcott, Dunlop &amp; Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 763 ft, a mud weight of 8.7 ppg. The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*



Well name:

**2008-06 Flying J Ult 4-31**Operator: **Flying J Oil & Gas, Inc.**

String type: Production

Project ID:

43-047-40017

Location: Uintah Co.

**Design parameters:****Collapse**

Mud weight: 10.000 ppg

Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No

Surface temperature: 65 °F

Bottom hole temperature: 166 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 368 ft

Cement top: 606 ft

**Burst**

Max anticipated surface pressure:

2,156 psi

Internal gradient: 0.220 psi/ft

Calculated BHP 3,740 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

**Non-directional string.**

Tension is based on air weight.

Neutral point: 6,108 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	7200	5.5	17.00	K-55	LT&C	7200	7200	4.767	939.8
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3740	4910	1.313	3740	5320	1.42	122	272	2.22 J

Prepared Helen Sadik-Macdonald  
by: Div of Oil, Gas & Minerals

Phone: 810-538-5357

Date: June 4, 2008  
Salt Lake City, Utah**ENGINEERING STIPULATIONS: NONE**

Collapse strength is based on the Westcott, Dunlop &amp; Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 7200 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*



# BOPE REVIEW

Flying J Ult 4-31 API 43-047-40017

## INPUT

Well Name

Casing Size (")

Setting Depth (TVD)

Previous Shoe Setting Depth (TVD)

Max Mud Weight (ppg)

BOPE Proposed (psi)

Casing Internal Yield (psi)

Operators Max Anticipated Pressure (psi)

Flying J Ult 4-31 API 43-047-40017			
String 1	String 2		
9 5/8	5 1/2		
763	7200		
53	763		
8.7	10		
0	3000		
3520	5320		
3096	8.3 ppg	→ expect 5.7 ppg in Tron bore	

## Calculations

String 1 9 5/8 "

Max BHP [psi]	.052*Setting Depth*MW =	345	BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	254	NO
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	177	NO - OK
Pressure At Previous Shoe Max BHP-.22*(Setting Depth - Previous Shoe Depth) =			*Can Full Expected Pressure Be Held At Previous Shoe?
Required Casing/BOPE Test Pressure			← NO - Reasonable
*Max Pressure Allowed @ Previous Casing Shoe =			763 psi
			53 psi

\*Assumes 1psi/ft frac gradient

## Calculations

String 2 5 1/2 "

Max BHP [psi]	.052*Setting Depth*MW =	3744	BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	2880	YES
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	2160	YES ✓
Pressure At Previous Shoe Max BHP-.22*(Setting Depth - Previous Shoe Depth) =			*Can Full Expected Pressure Be Held At Previous Shoe?
Required Casing/BOPE Test Pressure			← NO - Known area - program used in area
*Max Pressure Allowed @ Previous Casing Shoe =			3000 psi
			763 psi

\*Assumes 1psi/ft frac gradient





JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

June 16, 2008

Flying J Oil & Gas Inc.  
333 W Center St.  
North Salt Lake, UT 84054

Re: ULT 4-31 Well, 660' FNL, 660' FWL, NW NW, Sec. 31, T. 3 South, R. 2 East,  
Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-40017.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor



Operator: Flying J Oil & Gas Inc.  
Well Name & Number ULT 4-31  
API Number: 43-047-40017  
Lease: Fee

Location: NW NW Sec. 31 T. 3 South R. 2 East

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
- 24 hours prior to spudding the well – contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
- Any changes to the approved drilling plan – contact Dustin Doucet

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at: (801) 538-5338 office (801) 942-0871 home
- Carol Daniels at: (801) 538-5284 office
- Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

#### 4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: Flying J Oil & Gas Inc Operator Account Number: N 8080  
Address: PO Drawer 130  
city Roosevelt  
state UT zip 84066 Phone Number: (435) 722-5166

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304740017	ULT 4-31		NWNW	31	3S	2E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	16985	7/16/2008		7/31/08		
Comments: <u>DGCRK</u>							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Geannine Robb

Name (Please Print)

Signature

Admin Assistant

Title

7/17/2008

Date

RECEIVED

JUL 18 2008

DIV. OF OIL, GAS & MINING



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<p align="center"><b>SUNDRY NOTICE AND REPORTS ON WELLS</b></p> <p align="center"><small>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.</small></p>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>Fee</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>NA</b>
		7. UNIT or CA AGREEMENT NAME: <b>NA</b>
		8. WELL NAME and NUMBER <b>ULT 4-31</b>
1. TYPE OF WELLS <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		9. API NUMBER: <b>4304740017</b>
2. NAME OF OPERATOR <b>Flying J Oil &amp; Gas Inc</b>		10. FIELD AND POOL, OR WILDCAT <b>Wildcat</b>
3. ADDRESS OF OPERATOR <b>PO Drawer 130 Roosevelt, Utah 84066</b>	PHONE NUMBER <b>435-722-5166</b>	

4. LOCATION OF WELLS  
 FOOTAGES AT SURFACE:      660 FNL 660 FWL      COUNTY:      Uintah  
 QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:      NWNW Sec 31 T3S R2E      STATE:      UTAH

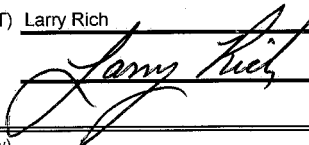
11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATION <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE-DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER      Weekly Progress Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS, Clearly show all pertinent details including dates, depths, volumes, etc.

**Weekly Progress Report   July 13, 2008 - July 19, 2008**

Spud well on July 16, 2008  
 Drill 40' - 30" hole. Set and cement 40'-20" conductor casing. Drill rat and mouse hole.  
 Set 9 5/8" surface casing  
 Drill 12 1/4" hole, TD 780'. Run 18 jts 9 5/8" 36# J55  
 Shoe at 753.90, float collar at 720.09'. Cement with 375 sacks Premium G  
 with 2% CaCl<sub>2</sub>, 1/4# per sack flocele, 1.15 yield, 15.8 PPG, 18 bbls of cement at surface.  
 Wait on drilling rig.

**RECEIVED**  
**JUL 23 2008**  
**DIV. OF OIL, GAS & MINING**

NAME (PLEASE PRINT) <u>Larry Rich</u>	TITLE <u>Production Superintendent</u>
SIGNATURE 	DATE <u>July 21, 2008</u>

(This space for State use only)



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<p align="center"><b>SUNDRY NOTICE AND REPORTS ON WELLS</b></p> <p><small>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.</small></p>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>Fee</b>
		6. IF INIDAN, ALLOTTEE OR TRIBE NAME: <b>NA</b>
		7. UNIT or CA AGREEMENT NAME: <b>NA</b>
		8. WELL NAME and NUMBER <b>ULT 4-31</b>
1. TYPE OF WELLS <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		9. API NUMBER: <b>4304740017</b>
2. NAME OF OPERATOR <b>Flying J Oil &amp; Gas Inc</b>		10. FIELD AND POOL, OR WILDCAT <b>Wildcat</b>
3. ADDRESS OF OPERATOR <b>PO Drawer 130 Roosevelt, Utah 84066</b>		PHONE NUMBER <b>435-722-5166</b>

4. LOCATION OF WELLS  
FOOTAGES AT SURFACE:      660 FNL 660 FWL      COUNTY:      Uintah

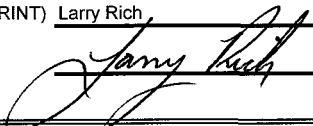
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW Sec 31 T3S R2E      STATE:      UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE-DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER <u>Weekly Progress Report</u>
	<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS, Clearly show all pertinent details including dates, depths, volumes, etc.

**Weekly Progress Report    July 20, 2008 - July 26, 2008**

Wait on drilling rig.

NAME (PLEASE PRINT) <u>Larry Rich</u>	TITLE <u>Production Superintendent</u>
SIGNATURE 	DATE <u>August 4, 2008</u>

(This space for State use only)

**RECEIVED**  
**AUG 05 2008**  
**DIV. OF OIL, GAS & MINING**



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICE AND REPORTS ON WELLS</b> <small>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.</small>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>Fee</b>
		6. IF INIDAN, ALLOTTEE OR TRIBE NAME: <b>NA</b>
		7. UNIT or CA AGREEMENT NAME: <b>NA</b>
		8. WELL NAME and NUMBER <b>ULT 4-31</b>
1. TYPE OF WELLS <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		9. API NUMBER: <b>4304740017</b>
2. NAME OF OPERATOR <b>Flying J Oil &amp; Gas Inc</b>		10. FIELD AND POOL, OR WILDCAT <b>Wildcat</b>
3. ADDRESS OF OPERATOR <b>PO Drawer 130 Roosevelt, Utah 84066</b>	PHONE NUMBER <b>435-722-5166</b>	

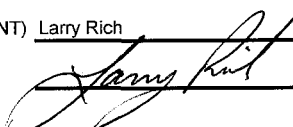
4. LOCATION OF WELLS  
FOOTAGES AT SURFACE: **660 FNL 660 FWL** COUNTY: **Uintah**  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NWNW Sec 31 T3S R2E** STATE: **UTAH**

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE-DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER <u>Weekly Progress Report</u>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS, Clearly show all pertinent details including dates, depths, volumes, etc.

**Weekly Progress Report July 27, 2008 - August 2, 2008**

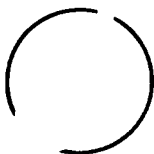
Move drilling rig Pioneer #59 onto location 7/29/08.  
Drill from 767' - 5358'

NAME (PLEASE PRINT) <u>Larry Rich</u>	TITLE <u>Production Superintendent</u>
SIGNATURE 	DATE <u>August 4, 2008</u>

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**RECEIVED**  
**AUG 05 2008**  
**DIV. OF OIL, GAS & MINING**





**FLYING J OIL & GAS INC.**

333 WEST CENTER STREET • NORTH SALT LAKE, UTAH 84054

PHONE (801) 296-7700 • FAX (801) 296-7888

August 5, 2008

Ms. Diana Mason  
Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

RE: Deep Creek 2-31, NWNE Sec 31, T3S, R2E  
ULT 4-31, NWNW Sec. 31, T3S, R2E  
Sundry Notices and Reports on Wells

Dear Ms. Mason:

Enclosed are sundry notices for the Deep Creek 2-31 and ULT 4-31 wells along with new surveys showing the new locations of the wellheads and new surveyed footages. The wellhead locations were moved to accommodate the preferred drilling rig layout.

If you need additional information, please call me at 801-296-7772.

Sincerely,

Jordan R. Nelson  
Petroleum Engineer

Subsidiary - BIG WEST OIL & GAS INC.

RECEIVED

AUG 05 2008

DIV. OF OIL, GAS & MINING



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
2. NAME OF OPERATOR: Flying J Oil & Gas Inc		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: 333 W Center St CITY North Salt lake STATE UT ZIP 84054		7. UNIT or CA AGREEMENT NAME: NA
PHONE NUMBER: (801) 296-7700		8. WELL NAME and NUMBER: ULT 4-31
4. LOCATION OF WELL FOOTAGES AT SURFACE: 663' FNL 664' FWL		9. API NUMBER: 4304740017
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 31 T3S R2E U		10. FIELD AND POOL, OR WILDCAT: Wildcat
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Change Location of Wellhead</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The wellhead location has been moved to 663' FNL 664' FWL due to the layout of the drilling rig being used. Attached are new surveys showing the new wellhead location.

600587X  
4448654Y

40.184134  
-109.818477

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 08-07-08

By: 

NAME (PLEASE PRINT) <u>Jordan R. Nelson</u>	TITLE <u>Petroleum Engineer</u>
SIGNATURE 	DATE <u>8/5/2008</u>

(This space for State use only)

COPY SENT TO OPERATOR

Date: 8.11.2008

Initials: KS

(5/2000)

(See Instructions on Reverse Side)

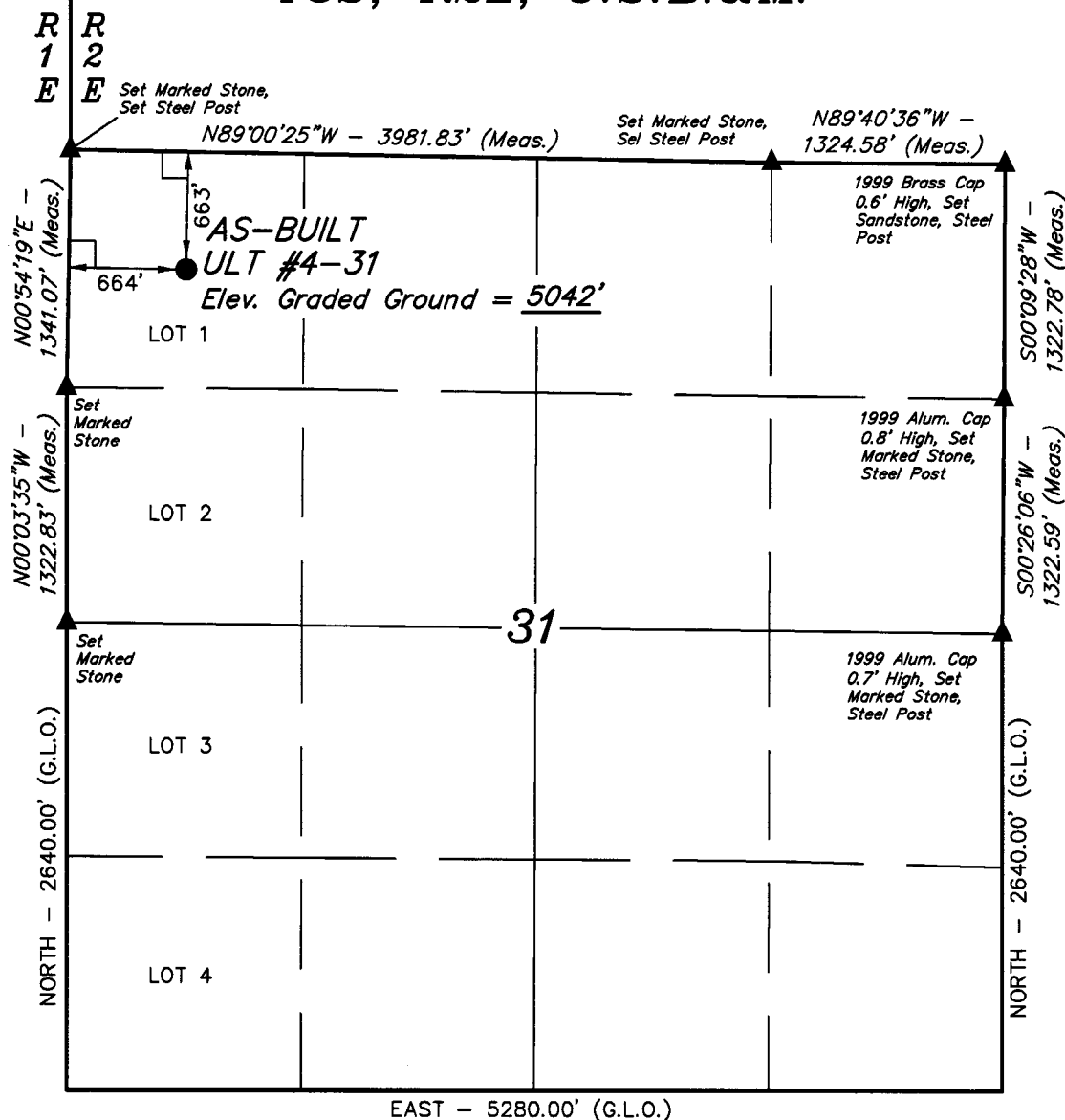
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AUG 05 2008

DIV. OF OIL, GAS & MINING



*T3S, R2E, U.S.B.&M.*



**LEGEND:**

- └─ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(AUTONOMOUS NAD 83)  
 LATITUDE = 40°11'02.96" (40.184156)  
 LONGITUDE = 109°49'09.20" (109.819222)  
 (AUTONOMOUS NAD 27)  
 LATITUDE = 40°11'03.10" (40.184194)  
 LONGITUDE = 109°49'06.68" (109.818522)

**FLYING J OIL & GAS INC.**

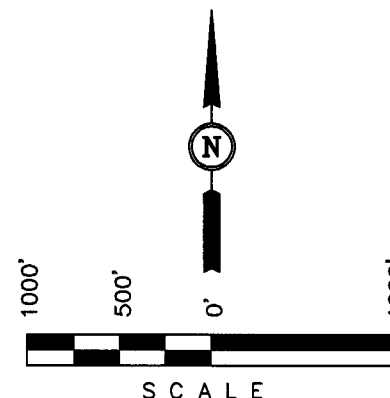
Well location, (AS-BUILT) ULT #4-31, located as shown in the NW 1/4 NW 1/4 of Section 31, T3S, R2E, U.S.B.&M., Uintah County, Utah.

**BASIS OF ELEVATION**

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION 30, T3S, R2E, U.S.B.&M. TAKEN FROM THE RANDLETT, UTAH, QUADRANGLE, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4939 FEET.

**BASIS OF BEARINGS**

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ROBERT D. KAY  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

REVISED: 08-04-08 S.L.

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 04-04-08	DATE DRAWN: 04-10-08
PARTY T.A. D.C. L.K.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE FLYING J OIL & GAS INC.	

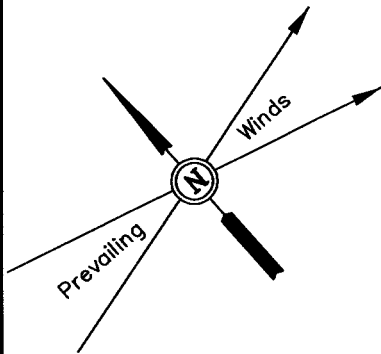


# FLYING J OIL & GAS INC.

## LOCATION LAYOUT FOR

ULT #4-31  
SECTION 31, T3S, R2E, U.S.B.&M.  
663' FNL 664' FWL

SCALE: 1" = 50'  
DATE: 04-10-08  
DRAWN BY: L.K.  
REVISED: 08-04-08 S.L.



Proposed Access Road

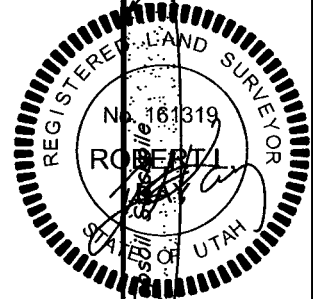
Approx. Top of Cut Slope

F-0.5'  
El. 40.7'

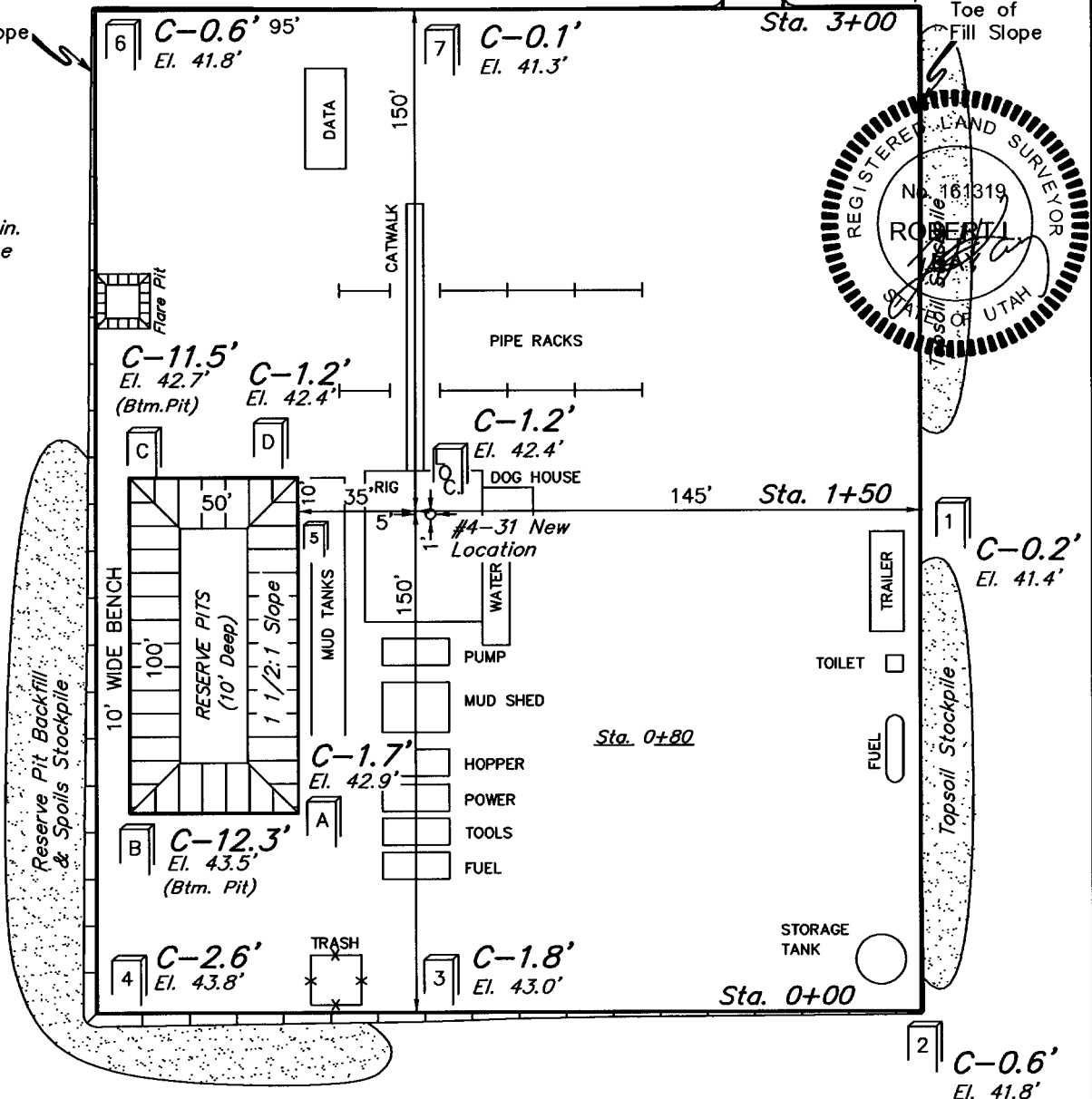
Approx. Toe of Fill Slope

### NOTE:

Flare Pit is to be located a min. of 100' from the Well Head.



Total Pit Capacity  
W/2' of Freeboard  
= 3,810 Bbls. ±  
Total Pit Volume  
= 1,130 Cu. Yds.



Elev. Ungraded Ground at Location Stake = 5042.4'  
Elev. Graded Ground at Location Stake = 5041.2'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICE AND REPORTS ON WELLS</b>  <small>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.</small>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>Fee</b>
		6. IF INIDAN, ALLOTTEE OR TRIBE NAME: <b>NA</b>
		7. UNIT or CA AGREEMENT NAME: <b>NA</b>
		8. WELL NAME and NUMBER <b>ULT 4-31</b>
1. TYPE OF WELLS <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		9. API NUMBER: <b>4304740017</b>
2. NAME OF OPERATOR <b>Flying J Oil &amp; Gas Inc</b>		10. FIELD AND POOL, OR WILDCAT <b>Wildcat</b>
3. ADDRESS OF OPERATOR <b>PO Drawer 130 Roosevelt, Utah 84066</b>		PHONE NUMBER <b>435-722-5166</b>
4. LOCATION OF WELLS		

FOOTAGES AT SURFACE:      660 FNL 660 FWL

COUNTY:      Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:      NWNW Sec 31 T3S R2E

STATE:      UTAH

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE-DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER      Weekly Progress Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS, Clearly show all pertinent details including dates, depths, volumes, etc.

**Weekly Progress Report    August 3, 2008 - August 9, 2008**

Drill from 5358' - 6900'

TD reached on 8/4/08

Log well

Run 160 jts 5 1/2" 17# N80 casing, total 6906'. Shoe at 6900', float at 6856', marker at 5787'.

Cement casing with 375 sacks 11# lead, 340 sacks 13.4# tail

Release rig at 1:am 8/8/08.

Wait on completion.

NAME (PLEASE PRINT) Larry Rich

TITLE Production Superintendent

SIGNATURE 

DATE August 11, 2008

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DIV. OF OIL, GAS & MINING



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICE AND REPORTS ON WELLS</b>  <small>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.</small>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>Fee</b>
		6. IF INIDAN, ALLOTTEE OR TRIBE NAME: <b>NA</b>
		7. UNIT or CA AGREEMENT NAME: <b>NA</b>
		8. WELL NAME and NUMBER <b>ULT 4-31</b>
1. TYPE OF WELLS <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		9. API NUMBER: <b>4304740017</b>
2. NAME OF OPERATOR <b>Flying J Oil &amp; Gas Inc</b>		10. FIELD AND POOL, OR WILDCAT <b>Wildcat</b>
3. ADDRESS OF OPERATOR <b>PO Drawer 130 Roosevelt, Utah 84066</b>	PHONE NUMBER <b>435-722-5166</b>	

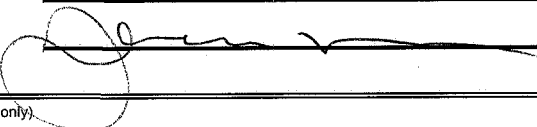
4. LOCATION OF WELLS  
FOOTAGES AT SURFACE:      660 FNL 660 FWL      COUNTY:      Uintah  
  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW Sec 31 T3S R2E      STATE:      UTAH

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE-DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER      Monthly Drilling Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS, Clearly show all pertinent details including dates, depths, volumes, etc.

**August 10, 2008 - August 31, 2008**

Waiting on completion

NAME (PLEASE PRINT) <u>Geannine Robb</u>	TITLE <u>Administrative Assistant</u>
SIGNATURE 	DATE <u>Ocotber 31, 2008</u>

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STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICE AND REPORTS ON WELLS</b>  <small>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.</small>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>Fee</b>
		6. IF INIDAN, ALLOTTEE OR TRIBE NAME: <b>NA</b>
		7. UNIT or CA AGREEMENT NAME: <b>NA</b>
		8. WELL NAME and NUMBER <b>ULT 4-31</b>
1. TYPE OF WELLS <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		9. API NUMBER: <b>4304740017</b>
2. NAME OF OPERATOR <b>Flying J Oil &amp; Gas Inc</b>		10. FIELD AND POOL, OR WILDCAT <b>Wildcat</b>
3. ADDRESS OF OPERATOR <b>PO Drawer 130 Roosevelt, Utah 84066</b>		PHONE NUMBER <b>435-722-5166</b>

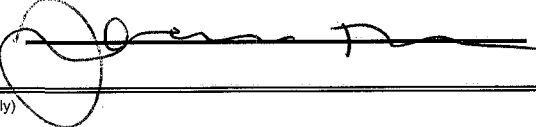
4. LOCATION OF WELLS  
FOOTAGES AT SURFACE: **660 FNL 660 FWL** COUNTY: **Uintah**  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NWNW Sec 31 T3S R2E** STATE: **UTAH**

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE-DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER <u>Monthly Drilling Report</u>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS, Clearly show all pertinent details including dates, depths, volumes, etc.

**September 1, 2008 - September 30, 2008**

Waiting on completion

NAME (PLEASE PRINT) <u>Geannine Robb</u>	TITLE <u>Administrative Assistant</u>
SIGNATURE 	DATE <u>October 31, 2008</u>

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STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICE AND REPORTS ON WELLS</b>  <small>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.</small>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>Fee</b>
		6. IF INIDAN, ALLOTTEE OR TRIBE NAME: <b>NA</b>
		7. UNIT or CA AGREEMENT NAME: <b>NA</b>
		8. WELL NAME and NUMBER <b>ULT 4-31</b>
1. TYPE OF WELLS <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		9. API NUMBER: <b>4304740017</b>
2. NAME OF OPERATOR <b>Flying J Oil &amp; Gas Inc</b>		10. FIELD AND POOL, OR WILDCAT <b>Wildcat</b>
3. ADDRESS OF OPERATOR <b>PO Drawer 130 Roosevelt, Utah 84066</b>		PHONE NUMBER <b>435-722-5166</b>

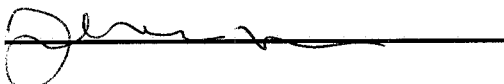
4. LOCATION OF WELLS  
FOOTAGES AT SURFACE: 660 FNL 660 FWL COUNTY: Uintah  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW Sec 31 T3S R2E STATE: UTAH

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE-DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER Monthly Drilling Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS, Clearly show all pertinent details including dates, depths, volumes, etc.

**October 1, 2008 - October 31, 2008**

Waiting on completion

NAME (PLEASE PRINT) <u>Geannine Robb</u>	TITLE <u>Administrative Assistant</u>
SIGNATURE 	DATE <u>October 31, 2008</u>

(This space for State use only)



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FORM 9

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
2. NAME OF OPERATOR: Flying J Oil & Gas Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: 333 W Center St CITY North Salt Lake STATE UT ZIP 84054		7. UNIT or CA AGREEMENT NAME: NA
4. LOCATION OF WELL FOOTAGES AT SURFACE: 663 FNL 664 FWL		8. WELL NAME and NUMBER: ULT 4-31
5. PHONE NUMBER: (801) 296-7700		9. API NUMBER: 4304740017
6. COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT: Wildcat
7. STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Flying J Oil & Gas Inc. requests that new information received by the Utah Board of Oil, Gas and Mining about this well be held confidential.

CONFIDENTIAL

NAME (PLEASE PRINT) Jordan R. Nelson TITLE Petroleum Engineer  
SIGNATURE *Jordan R. Nelson* DATE 11/21/2008

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STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICE AND REPORTS ON WELLS</b> <small>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.</small>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>Fee</b>
1. TYPE OF WELLS <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. IF INIDAN, ALLOTTEE OR TRIBE NAME: <b>NA</b>
2. NAME OF OPERATOR <b>Flying J Oil &amp; Gas Inc</b>		7. UNIT or CA AGREEMENT NAME: <b>NA</b>
3. ADDRESS OF OPERATOR <b>PO Drawer 130 Roosevelt, Utah 84066</b>		8. WELL NAME and NUMBER <b>ULT 4-31</b>
PHONE NUMBER <b>435-722-5166</b>		9. API NUMBER: <b>4304740017</b>
10. FIELD AND POOL, OR WILDCAT <b>Wildcat</b>		

4. LOCATION OF WELLS  
FOOTAGES AT SURFACE:      **3** FNL **4** FWL      COUNTY:      **Uintah**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NWNW Sec 31 T3S R2E**      STATE:      **UTAH**

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TYPE OF SUBMISSION		TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE-DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER <u>Monthly Drilling Report</u>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS, Clearly show all pertinent details including dates, depths, volumes, etc.

**November 1, 2008 - November 23, 2008**

11/1/08 - 11/6/08	Waiting on completion
11/7/08 - 11/22/08	Completing well
11/23/2008	First production

# CONFIDENTIAL

NAME (PLEASE PRINT) Geannine Robb

TITLE Administrative Assistant

SIGNATURE



DATE November 24, 2008

(This space for State use only)

(5/2000)

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DIV. OF OIL, GAS & MINING



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STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MININGAMENDED REPORT  
(highlight changes)

FORM 8

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

## b. TYPE OF COMPLETION:

NEW WELL ☒ HORIZ. LATS. ☐ DEEPEN ☐ RE-ENTRY ☐ DIFF. RSVR. ☐ OTHER ☐

## 2. NAME OF OPERATOR

Flying J Oil &amp; Gas Inc.

## 3. ADDRESS OF OPERATOR

333 W Center St North Salt Lake, Utah 84054

## PHONE NUMBER

801-296-7700

## 4. LOCATION OF WELL (FOOTAGES)

At surface 663 FNL 664 FWL  
At top prod. interval reported below Same  
At total depth Same

## 5. LEASE DESIGNATION AND SERIAL NO.

Fee

## 6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

## 7. UNIT or CA AGREEMENT NAME

NA

## 8. WELL NAME and NUMBER

ULT 4-31

## 9. API NUMBER

43-047-40017

## 10. FIELD AND POOL, OR WILDCAT

Wildcat

11. QTR/QTR, SECTION, TOWNSHIP, RANGE,  
MERIDIAN:

NWNW Sec 31 T3S R2E

## 12. COUNTY

Uintah

## 13. STATE

Utah

## 14. DATE SPUDDED

7/16/2008

## 15. DATE T.D. REACHED

8/4/2008

## 16. DATE COMPLETED

11/22/2008

ABANDONED ☐ READY TO PRODUCE ☒

## 17. ELEVATIONS (DF, RKB, RT, GL):

5059' KB

## 18. TOTAL DEPTH

MD 6900'  
TVD

## 19. PLUG BACK T.D.:

MD 6856'  
TVD

## 20. IF MULTIPLE COMPLETIONS, HOW MANY?\*

NA

## 21. DEPTH BRIDGE

MD NA

PLUG SET

TVD

## 22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

Dipole Sonic Imager

Gamma Ray

Cement Bond Log

Mud Log

## 23.

WAS WELL CORED? NO ☒ YES ☐ (Submit analysis)WAS DST RUN? NO ☒ YES ☐ (Submit report)DIRECTIONAL SURVEY? NO ☒ YES ☐ (Submit copy)

## 24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO	SLURRY VOLUME (BBL)	CEMENT TOP	AMOUNT PULLED
30"	20"		0	58'				Surface (Cir)	
12 1/4"	9 5/8" J55	36#	0	772'		375 sks G	77 bbls	Surface (Cir)	
7 7/8"	5 1/2" N80	17#	0	6900'		375 sks Hi-Fill	346 bbls	660' (CBL)	
					340 sks ExtendaCem				

## 25 TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	6688'	NA						

## 26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot-MD)	SIZE	NO HOLES	PERFORATION STATUS
(A) L. Green River	6335'	6634'			6335' - 6337', 6454' - 6456'	0.42"	12	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)					6466' - 6469', 6478' - 6480'	0.42"	15	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C)					6565' - 6568', 6578' - 6580'	0.42"	15	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(D)					6612' - 6615', 6621' - 6623'	0.42"	15	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
					6632' - 6634'	0.42"	6	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>

## 28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
6335' - 6480'	1478 bbls slurry - 20# cross-linked borate gel with 140,900# 16/30 Jordan-Unimin sand
6565' - 6634'	1387 bbls slurry - 20# cross-linked borate gel with 118,084# 20/40 Jordan-Unimin sand

## 29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS☐ GEOLOGIC REPORT☐ DST REPORT☐ DIRECTIONAL SURVEY☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION☐ CORE ANALYSIS☐ OTHER

## 30. WELL STATUS

Producing

(5/2000)

(CONTINUED ON BACK)

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DIV. OF OIL, GAS &amp; MINING



## INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 11/22/2008		TEST DATE 11/29/2008		HOURS TESTED 24		TEST PRODUCTION RATES →		OIL - BBLS: 37		GAS - MCF: 4		WATER - BBLS 33		PROD METHOD: Rods							
CHOKE SIZE NA		TGB PRESS 30		CSG PRESS NA		API GRAVITY 30.7		BTU-GAS NA		GAS/OIL RATIO 108		24 HR PRODUCTION RATES →		OIL - BBLS: 37		GAS - MCF: 4		WATER - BBLS 33		INTERVAL STATUS: Open	

## INTERVAL B (As shown in item #26)

INTERVAL STATUS (AS SHOWN IN ITEM #24)										
DATE FIRST PRODUCED:		TEST DATE		HOURS TESTED		TEST PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	PROD METHOD:
CHOKE SIZE	TBG PRESS	CSG PRESS	API GRAVITY	BTU-GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	INTERVAL STATUS:

## INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE		HOURS TESTED		TEST PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	PROD METHOD:
CHOKE SIZE	TBG PRESS	CSG PRESS	API GRAVITY	BTU-GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	INTERVAL STATUS:

## INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE		HOURS TESTED		TEST PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	PROD METHOD:
CHOKE SIZE	TBG PRESS	CSG PRESS	API GRAVITY	BTU-GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	INTERVAL STATUS:

## 32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Used for Fuel

## 33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

## 34. FORMATION (Log) MARKERS:

FORMATION	TOP (MD)	BOTTOM (MD)	DESCRIPTION, CONTENTS, ETC.	NAME	TOP (Measured Depth)
				Uinta Green River Tgr 3 Marker Douglas Creek	Surface 3016' 5800' 6313'

## 35. ADDITIONAL REMARKS (Include plugging procedure)

CONFIDENTIAL

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Jordan R. NelsonTITLE Petroleum EngineerSIGNATURE DATE December 19, 2008

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation

- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples an stratigraphic tests

\*ITEM 20: Show the number of completions if production is measured separately from two or more formations

\*\*ITEM 24: Cement Top - Show how report top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS))

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340  
Fax: 801-359-3940

RECEIVED

DEC 22 2008

DIV. OF OIL, GAS &amp; MINING



CONFIDENTIAL



**FLYING J OIL & GAS INC.**

333 WEST CENTER STREET • NORTH SALT LAKE, UTAH 84054  
PHONE (801) 296-7700 • FAX (801) 296-7888

December 19, 2008

Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

43 047 40017  
RE: ULT 4-31  
NWNW Sec. 31, T3S, R2E  
Uintah County  
Well Completion Report

To Whom It May Concern:

Enclosed please find a well completion report of the referenced well. Copies of the logs should have been sent to the State directly from the service companies. If you have any questions or are in need of further information please call me at (801) 296-7772.

Sincerely,

Jordan R. Nelson  
Petroleum Engineer

RECEIVED

DEC 22 2008

DIV. OF OIL, GAS & MINING



Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. DJJ

2. CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**1/1/2010**

**FROM: (Old Operator):**  
 N8080-Flying J Oil & Gas, Inc.  
 333 West Center Street  
 North Salt Lake, UT 84054

Phone: 1 (801) 296-7726

**TO: ( New Operator):**  
 N3065-El Paso E&P Company, LP  
 1099 18th Street, Suite 1900  
 Denver, CO 80202

Phone: 1 (303) 291-6400

CA No.				Unit:				
WELL NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 1/13/2010
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 1/13/2010
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/24/2010
- Is the new operator registered in the State of Utah: Business Number: 2114377-0181
- (R649-9-2) Waste Management Plan has been received on: IN PLACE
- Inspections of LA PA state/fee well sites complete on: 8/10/2009 \*
- Reports current for Production/Disposition & Sundries on: 2/22/2010
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA not yet
- Federal and Indian Units:**  
 The BLM or BIA has approved the successor of unit operator for wells listed on: n/a
- Federal and Indian Communization Agreements ("CA"):**  
 The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/8/2010

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 2/24/2010
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/24/2010
- Bond information entered in RBDMS on: 2/24/2010
- Fee/State wells attached to bond in RBDMS on: 2/24/2010
- Injection Projects to new operator in RBDMS on: 2/24/2010
- Receipt of Acceptance of Drilling Procedures for APD/New on: \*

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: WYB3457
- Indian well(s) covered by Bond Number: RLB0009692
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 400JU0708
- The **FORMER** operator has requested a release of liability from their bond on: not yet

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 2/25/2010

**COMMENTS:** \* Due to Flying J's bankruptcy, these items are being accepted as is.



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICE AND REPORTS ON WELLS	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
1. TYPE OF WELLS <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. LEASE DESIGNATION AND SERIAL NUMBER: See Attachment
2. NAME OF OPERATOR El Paso E&P Company, L.P. <i>N 3065</i>	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See Attachment
3. ADDRESS OF OPERATOR 1099 18th Street, Suite 1900, Denver, CO 80202	7. UNIT or CA AGREEMENT NAME: See Attachment
PHONE NUMBER 303-291-6400	8. WELL NAME and NUMBER See Attachment
4. LOCATION OF WELLS FOOTAGES AT SURFACE:   See Attachment	9. API NUMBER: See Attachment
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	10. FIELD AND POOL, OR WILDCAT See Attachment

COUNTY:   Duchesne & Uintah

STATE:   UTAH

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE-DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER Change of Operator
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:			

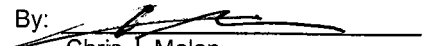
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS, Clearly show all pertinent details including dates, depths, volumes, etc.

Effective January 1, 2010, operations of the wells on the attached exhibit were taken over by:

El Paso E&P Company, L.P., a Delaware limited partnership  
1099 18th Street, Suite 1900  
Denver, CO 80202

The previous operator was:

FLYING J OIL & GAS INC.   *N 8080*  
333 WEST CENTER STREET  
NORTH SALT LAKE, UT 84054  
*801 296-7726*

By:   
Chris J. Malan  
Executive Vice President


Effective January 1, 2010, El Paso E&P Company, L.P. is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under Utah Department of Natural Resources Bond 400JU0708 issued by Travelers Casualty and Surety

*BLM   WYB3457   BIA   RLB 000 9692*

NAME (PLEASE PRINT)   Mary Sharon Balakas

TITLE   Attorney in Fact

SIGNATURE



DATE

*12/29/09*

(This space for State use only)

APPROVED *2/24/2010*  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

RECEIVED  
JAN 13 2010

DIV. OF OIL, GAS & MINING



Flying J Oil Gas Inc (N8080) to El Paso E1 Company LP (N3065)

well_name	sec	tpw	rng	api	entity	Lease	well	stat	flag
GOVT 4-14	14	060S	200E	4304730155	760	Federal	OW	S	
GOVERNMENT 10-14	14	060S	200E	4304732709	12009	Federal	OW	S	
GOVERNMENT 12-14	14	060S	200E	4304732850	12150	Federal	OW	P	
MAXIMILLIAN-UTE 14-1	14	010S	030W	4301330726	8437	Indian	OW	P	
FRED BASSETT 1-22A1	22	010S	010W	4301330781	9460	Indian	OW	P	
THE PERFECT "10" 1-10A1	10	010S	010W	4301330935	9461	Indian	OW	P	
BADGER-SAM H U MONGUS 1-15A1	15	010S	010W	4301330949	9462	Indian	OW	P	
UTE TRIBAL 1-35A1E	35	010S	010E	4304730286	795	Indian	OW	P	
UTE TRIBAL 1-27A1E	27	010S	010E	4304730421	800	Indian	OW	P	
UTE TRIBAL 1-22A1E	22	010S	010E	4304730429	810	Indian	OW	P	
UTE TRIBAL 1-15A1E	15	010S	010E	4304730820	850	Indian	OW	P	
UTE TRIBAL 1-17A1E	17	010S	010E	4304730829	860	Indian	OW	P	
UTE TRIBAL 1-29A1E	29	010S	010E	4304730937	895	Indian	OW	P	
CARSON 2-36A1	36	010S	010W	4304731407	737	Indian	OW	P	
UTE 2-17A1E	17	010S	010E	4304737831	16709	Indian	OW	P	
SADIE BLANK 1-33Z1	33	010N	010W	4301330355	765	Fee	OW	P	
HOUSTON 1-34Z1	34	010N	010W	4301330566	885	Fee	OW	P	
WISSE 1-28Z1	28	010N	010W	4301330609	905	Fee	OW	P	
POWELL 1-21B1	21	020S	010W	4301330621	910	Fee	OW	P	
H MARTIN 1-21Z1	21	010N	010W	4301330707	925	Fee	OW	P	
BIRCHELL 1-27A1	27	010S	010W	4301330758	940	Fee	OW	P	
EULA-UTE 1-16A1	16	010S	010W	4301330782	8443	Fee	OW	P	
R HOUSTON 1-22Z1	22	010N	010W	4301330884	936	Fee	OW	P	
BADGER MR BOOM BOOM 2-29A1	29	010S	010W	4301331013	9463	Fee	OW	P	
REARY 2-17A3	17	010S	030W	4301331318	11251	Fee	OW	P	
MAGDALENE PAPADOPULOS 1-34A1E	34	010S	010E	4304730241	785	Fee	OW	P	
DAVIS 1-33A1E	33	010S	010E	4304730384	805	Fee	WD	A	
LARSEN 1-25A1	25	010S	010W	4304730552	815	Fee	OW	TA	
DRY GULCH 1-36A1	36	010S	010W	4304730569	820	Fee	OW	TA	
NELSON 1-31A1E	31	010S	010E	4304730671	830	Fee	OW	P	
ROSEMARY LLOYD 1-24A1E	24	010S	010E	4304730707	840	Fee	OW	P	
H D LANDY 1-30A1E	30	010S	010E	4304730790	845	Fee	OW	P	
WALKER 1-14A1E	14	010S	010E	4304730805	855	Fee	OW	P	
BOLTON 2-29A1E	29	010S	010E	4304731112	900	Fee	OW	P	
PRESCOTT 1-35Z1	35	010N	010W	4304731173	1425	Fee	OW	P	
BISEL GURR 11-1	11	010S	010W	4304731213	8438	Fee	OW	P	
UTE TRIBAL 2-22A1E	22	010S	010E	4304731265	915	Fee	OW	P	
L. BOLTON 1-12A1	12	010S	010W	4304731295	920	Fee	OW	P	
FOWLES 1-26A1	26	010S	010W	4304731296	930	Fee	OW	P	
BRADLEY 23-1	23	010S	010W	4304731297	8435	Fee	OW	P	
BASTIAN 1-2A1	02	010S	010W	4304731373	736	Fee	OW	P	
D R LONG 2-19A1E	19	010S	010E	4304731470	9505	Fee	OW	P	
O MOON 2-26Z1	26	010N	010W	4304731480	10135	Fee	OW	P	
LILA D 2-25A1	25	010S	010W	4304731797	10790	Fee	OW	P	
LANDY 2-30A1E	30	010S	010E	4304731895	11127	Fee	OW	P	
BISEL-GURR 2-11A1	11	010S	010W	4304735410	14428	Fee	OW	P	
KNIGHT 16-30	30	030S	020E	4304738499	16466	Fee	OW	P	
ELIASON 6-30	30	030S	020E	4304738500	16465	Fee	OW	S	



Flying J Oil Gas Inc (N8080) to El Paso E2 Company LP (N3065)

well_name	sec	tpw	rng	api	entity	Lease	well	stat	flag
KNIGHT 14-30	30	030S	020E	4304738501	15848	Fee	OW	P	
FLYING J FEE 2-12A1	12	010S	010W	4304739467	16686	Fee	OW	P	
OBERHANSLY 3-11A1	11	010S	010W	4304739679		Fee	OW	APD	
BISEL GURR 4-11A1	11	010S	010W	4304739961	16791	Fee	OW	P	
ULT 4-31	31	030S	020E	4304740017	16985	Fee	OW	P	
DEEP CREEK 2-31	31	030S	020E	4304740026	16950	Fee	OW	P	
DEEP CREEK 8-31	31	030S	020E	4304740032	17053	Fee	OW	P	
ULT 6-31	31	030S	020E	4304740033		Fee	OW	APD	
ULT 12-29	29	030S	020E	4304740039	17010	Fee	OW	P	
ELIASON 12-30	30	030S	020E	4304740040	17011	Fee	OW	P	C
OBERHANSLY 2-2A1	02	010S	010W	4304740164		Fee	OW	APD	
KILLIAN 3-12A1	12	010S	010W	4304740226		State	OW	APD	



Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET (for state use only)**

**ROUTING**  
**CDW**

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**6/1/2011**

<b>FROM: (Old Operator):</b> N3065-El Paso E&P Company, LP 1001 Louisiana Street Houston, TX 77002  Phone: 1 (713) 420-2600	<b>TO: ( New Operator):</b> N3730-Ute Energy Upstream Holdings, LLC 1875 Lawrence Street, Suite 200 Denver, CO 80202  Phone: 1 (720) 420-3200
--	--

**CA No.**

**Unit:**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST - 8 WELLS								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/1/2011
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/1/2011
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/1/2011
- 4a. Is the new operator registered in the State of Utah: Business Number: 7794804-0161
- 5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- 5b. Inspections of LA PA state/fee well sites complete on: requested
- 5c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA n/a
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 8/9/2011
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 8/9/2011
- Bond information entered in RBDMS on: 8/9/2011
- Fee/State wells attached to bond in RBDMS on: 8/9/2011
- Injection Projects to new operator in RBDMS on: n/a
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: n/a
- Indian well(s) covered by Bond Number: n/a
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number LPM9032132 and LPM9046690
- 3b. The **FORMER** operator has requested a release of liability from their bond on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 8/9/2011

**COMMENTS:**



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	5. LEASE DESIGNATION AND SERIAL NUMBER: See Attachment
2. NAME OF OPERATOR: Ute Energy Upstream Holdings LLC <i>N3730</i>	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See Attachment
3. ADDRESS OF OPERATOR: 1875 Lawrence St, Suite 200 CITY Denver STATE CO ZIP 80202	7. UNIT or CA AGREEMENT NAME: See Attachment
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attachment	8. WELL NAME and NUMBER: See Attachment
PHONE NUMBER: (720) 420-3200	9. API NUMBER: See Attach
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	10. FIELD AND POOL, OR WILDCAT: See Attachment
COUNTY: Uintah	STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Change of Operator</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective JUNE 1, 2011, operation of the wells on the attached exhibit were taken over by:

Ute Energy Upstream Holdings LLC  
1875 Lawrence Street, Suite 200  
Denver, CO 80202

The previous operator was: El Paso E&P Company, L.P., 1001 Louisiana, Houston, Texas 77002

El Paso E&P Company, L.P. *N3065*

By: *Antonio J. de Pinho*  
Name: Antonio J. de Pinho  
Title: Vice President



RECEIVED  
JUN 01 2011  
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <u>Gregory S. Hinds</u>	TITLE <u>Chief Operating Officer</u>
SIGNATURE <u><i>Gregory S. Hinds</i></u>	DATE <u>4/29/11</u>

(This space for State use only)

APPROVED 819 111  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(5/2000)

(See Instructions on Reverse Side)



# Attachment to Sundry Notice

	LEASE	INDIAN	UNIT	WELL		FIELD							
	DESIG	ALLOT	OR	NUMBER		AND	WELL LOCATION						
	AND	OR	CA	NAME		POOL							
TYPE	SERIAL	TRIBE	AGMT	AND	API	OR					SURFACE		
WELL	NUM	NAME	NAME	NUMBER	NUMBER	WILDCAT	TWP	RNG	SEC	QTR QTR	FOOTAGE	COUNTY	ST
OIL	FEE			KNIGHT 14-30	43-047-38501	RANDLETT	3S	2E	30	SESW	660' FSL & 2180' FWL	UINTAH	UT
OIL	FEE			KNIGHT 16-30	43-047-38499	RANDLETT	3S	2E	30	SESE	691' FSL & 640' FEL	UINTAH	UT
OIL	FEE			ELIASON 12-30	43-047-40040	WILDCAT	3S	2E	30	NWSW	1980' FSL & 660' FWL	UINTAH	UT
OIL	FEE			ULT 12-29	43-047-40039	WILDCAT	3S	2E	29	NWSW	1797' FSL & 741' FWL	UINTAH	UT
OIL	FEE			DEEP CREEK 2-3	43-047-40026	WILDCAT	3S	2E	31	NWNE	663' FNL & 1977' FEL	UINTAH	UT
OIL	FEE			ULT 4-31	43-047-40017	WILDCAT	3S	2E	31	NWNW	663' FNL & 664' FWL	UINTAH	UT
OIL	FEE			DEEP CREEK 8-3	43-047-40032	WILDCAT	3S	2E	31	SENE	1980' FNL & 660' FEL	UINTAH	UT
OIL	FEE			ELIASON 6-30	43-047-38500	RANDLETT	3S	2E	30	SENW	1949' FNL & 1998' FWL	UINTAH	UT

RECEIVED  
JUN 01 2011  
DIV. OF OIL, GAS & MINING



Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET (for state use only)**

**ROUTING**  
**CDW**

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**6/1/2011**

<b>FROM: (Old Operator):</b> N3065-El Paso E&P Company, LP 1001 Louisiana Street Houston, TX 77002  Phone: 1 (713) 420-2600	<b>TO: ( New Operator):</b> N3730-Ute Energy Upstream Holdings, LLC 1875 Lawrence Street, Suite 200 Denver, CO 80202  Phone: 1 (720) 420-3200
--	--

**CA No.**

**Unit:**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST - 8 WELLS								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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- 4a. Is the new operator registered in the State of Utah: Business Number: 7794804-0161
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- 5b. Inspections of LA PA state/fee well sites complete on: requested
- 5c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA n/a
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 8/9/2011
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 8/9/2011
- Bond information entered in RBDMS on: 8/9/2011
- Fee/State wells attached to bond in RBDMS on: 8/9/2011
- Injection Projects to new operator in RBDMS on: n/a
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: n/a
- Indian well(s) covered by Bond Number: n/a
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number LPM9032132 and LPM9046690
- 3b. The **FORMER** operator has requested a release of liability from their bond on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 8/9/2011

**COMMENTS:**



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	5. LEASE DESIGNATION AND SERIAL NUMBER: See Attachment
2. NAME OF OPERATOR: Ute Energy Upstream Holdings LLC N3730	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See Attachment
3. ADDRESS OF OPERATOR: 1875 Lawrence St, Suite 200 CITY Denver STATE CO ZIP 80202	7. UNIT or CA AGREEMENT NAME: See Attachment
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attachment	8. WELL NAME and NUMBER: See Attachment
PHONE NUMBER: (720) 420-3200	9. API NUMBER: See Attach
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	10. FIELD AND POOL, OR WILDCAT: See Attachment
COUNTY: Uintah	STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Change of Operator
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective JUNE 1, 2011, operation of the wells on the attached exhibit were taken over by:

Ute Energy Upstream Holdings LLC  
1875 Lawrence Street, Suite 200  
Denver, CO 80202

The previous operator was: El Paso E&P Company, L.P., 1001 Louisiana, Houston, Texas 77002

El Paso E&P Company, L.P. N3065

By: Antonio J. de Pinho  
Name: Antonio J. de Pinho  
Title: Vice President



RECEIVED  
JUN 01 2011  
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <u>Gregory S. Hinds</u>	TITLE <u>Chief Operating Officer</u>
SIGNATURE <u>Gregory S. Hinds</u>	DATE <u>4/29/11</u>

(This space for State use only)

APPROVED 819 111  
Earlene Russell  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(5/2000)

(See Instructions on Reverse Side)



# Attachment to Sundry Notice

	LEASE	INDIAN	UNIT	WELL		FIELD							
	DESIG	ALLOT	OR	NUMBER		AND	WELL LOCATION						
	AND	OR	CA	NAME		POOL							
TYPE	SERIAL	TRIBE	AGMT	AND	API	OR					SURFACE		
WELL	NUM	NAME	NAME	NUMBER	NUMBER	WILDCAT	TWP	RNG	SEC	QTR QTR	FOOTAGE	COUNTY	ST
OIL	FEE			KNIGHT 14-30	43-047-38501	RANDLETT	3S	2E	30	SESW	660' FSL & 2180' FWL	UINTAH	UT
OIL	FEE			KNIGHT 16-30	43-047-38499	RANDLETT	3S	2E	30	SESE	691' FSL & 640' FEL	UINTAH	UT
OIL	FEE			ELIASON 12-30	43-047-40040	WILDCAT	3S	2E	30	NWSW	1980' FSL & 660' FWL	UINTAH	UT
OIL	FEE			ULT 12-29	43-047-40039	WILDCAT	3S	2E	29	NWSW	1797' FSL & 741' FWL	UINTAH	UT
OIL	FEE			DEEP CREEK 2-3	43-047-40026	WILDCAT	3S	2E	31	NWNE	663' FNL & 1977' FEL	UINTAH	UT
OIL	FEE			ULT 4-31	43-047-40017	WILDCAT	3S	2E	31	NWNW	663' FNL & 664' FWL	UINTAH	UT
OIL	FEE			DEEP CREEK 8-3	43-047-40032	WILDCAT	3S	2E	31	SENE	1980' FNL & 660' FEL	UINTAH	UT
OIL	FEE			ELIASON 6-30	43-047-38500	RANDLETT	3S	2E	30	SENW	1949' FNL & 1998' FWL	UINTAH	UT

RECEIVED  
JUN 01 2011  
DIV. OF OIL, GAS & MINING



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> UTE ENERGY UPSTREAM HOLDINGS LLC		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1875 Lawrence St Ste 200 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> ULT 4-31
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0663 FNL 0664 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 31 Township: 03.0S Range: 02.0E Meridian: U		<b>9. API NUMBER:</b> 43047400170000
<b>PHONE NUMBER:</b> 720 420-3235 Ext		<b>9. FIELD and POOL or WILDCAT:</b> RANLETT
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 3/12/2012  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION          OTHER: <input style="width: 100%;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Ute Energy Upstream Holdings LLC respectfully requests to MIRU to P&A existing perforations in the Green River Formation & prep for conversion in a SWD well in the Birds Nest interval. Perforate Birds Nest interval & swab test well to recover a representative water sample from the formation for water analysis. Please see attached procedures for a detailed description of the proposed action.		
<b>NAME (PLEASE PRINT)</b> Jenn Mendoza		<b>PHONE NUMBER</b> 720 420-3229
<b>SIGNATURE</b> N/A		<b>TITLE</b> Regulatory Specialist
<b>DATE</b> 3/1/2012		<b>APPROVED BY:</b> <div style="text-align: center;"> <b>Approved by the Utah Division of Oil, Gas and Mining</b>   <b>Date:</b> March 07, 2012  <b>By:</b> </div>





**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Sundry Conditions of Approval Well Number 43047400170000**

**Permanent plugback of the productive interval requires a minimum 100' cement plug immediately above the open perfs (plug from 6285' to 6185') and a minimum 100' cement plug at the base of the proposed injection interval.**





**ULT 4-31**  
**SWD CONVERSION PROCEDURES**  
Section 31-T3S-R1E  
Uintah County, Utah  
API # 43-047-40017

**February 29, 2012**

**OBJECTIVE**

MIRU to P&A existing perforations in the Green River Formation & prep for conversion in a SWD well in the Birds Nest interval. Perforate Birds Nest interval & swab test well to recover a representative water sample from the formation for water analysis.

**CURRENT WELL STATUS**

Currently the well is producing from the Green River Formation. A cement bond log was run on the 5-1/2" production casing and found top of cement at 660'.

**CONVERSION PROCEDURE**

NOTE: All perfs picked from the SLB OH Triple Combo Log

1. **Safety is the highest priority.** Hold wellsite safety meetings each morning and prior to each significant operation. Review critical parameters and objectives as well as emergency action plans.
2. Hold and document pre-activity meeting, determine location of necessary equipment and rig up of same, be sure all necessary contractors are present and agree as to the layout of location.
3. TOOH w/ rods & pump & LD.
4. NU BOPE, and TOOH w/ existing 2-7/8" tbg.
5. MIRU WL unit and MUPU 5.5" CIBP & RIH to 5,000'. Set CIBP. POOH & MUPU dump bailer. RIH & dump bail 5' of cmt on top of CIBP.
6. Pressure test casing to 4,500 psi, hold for 15 minutes, monitor and record bleed off.





7. MUPU Perf Guns per design & RIH to perf Birds Nest interval.RDMOL WL
8. MUPU 5.5" Arrow set 1 pkr & TIH w/ same 2-7/8" 6.5# J-55 tubing. RIH set packer @ +/- 4,450'. Pressure test annulus to 1000 psi, monitor & record bleed off.
9. RU swab equipment. Swab 2x tbg volume and begin taking water samples. Test chloride count on location. Continue to swab until there is a consistent chloride count. Recover 5 samples. Send sample in for TDS analysis. Wait on analysis.
10. RD swab equipment.
11. ND BOP, NUWH. RDMO WOR.
12. Wait on permit to proceed.

#### Perforations Design

<b>Zone</b>	<b>Top</b>	<b>Bottom</b>	<b>Gun Size</b>	<b>Holes</b>	<b>Total Holes</b>
Birds Nest	4248	4253	5'	15	
Birds Nest	4260	4265	5'	15	
Birds Nest	4270	4275	5'	15	
Birds Nest	4280	4310	30'	90	
Birds Nest	4315	4340	25'	75	
Birds Nest	4350	4375	25'	75	
Birds Nest	4380	4390	10'	30	
Birds Nest	4395	4410	15'	45	360



Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET (for state use only)**

**ROUTING**  
**CDW**

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**11/30/2012**

**FROM: (Old Operator):**

N3730- Ute Energy Upstream Holdings, LLC  
 1875 Lawrence Street, Suite 200  
 Denver, CO 80212

Phone: 1 (720) 420-3238

**TO: ( New Operator):**

N3935- Crescent Point Energy U.S. Corp  
 555 17th Street, Suite 750  
 Denver, CO 80202

Phone: 1 (720) 880-3610

**CA No.**

**Unit:**

**N/A**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 2/1/2013
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 2/1/2013
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/11/2013
- Is the new operator registered in the State of Utah: Business Number: 7838513-0143
- (R649-9-2) Waste Management Plan has been received on: Yes
- Inspections of LA PA state/fee well sites complete on: Not Yet
- Reports current for Production/Disposition & Sundries on: 2/11/2013
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM Not Yet BIA Not Yet
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 2/25/2013
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/25/2013
- Bond information entered in RBDMS on: 1/15/2013
- Fee/State wells attached to bond in RBDMS on: 2/26/2013
- Injection Projects to new operator in RBDMS on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: 2/1/2013

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: LPM9080275
- Indian well(s) covered by Bond Number: LPM9080275
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number LPM 9080271
- The **FORMER** operator has requested a release of liability from their bond on: Not Yet

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 2/26/2013

**COMMENTS:**



Well Name	SECTION	TWN	RNG	API Number	Entity	Lesase Type	Well Type	Well Status
ULT 13-25-3-1E	25	030S	010E	4304751890		Fee	OW	APD
DEEP CREEK 15-25-3-1E	25	030S	010E	4304751892		Fee	OW	APD
ULT 2-35-3-1E	35	030S	010E	4304751893		Fee	OW	APD
ULT 3-35-3-1E	35	030S	010E	4304751894		Fee	OW	APD
MARSH 11-35-3-1E	35	030S	010E	4304751896		Fee	OW	APD
ULT 4-35-3-1E	35	030S	010E	4304751899		Fee	OW	APD
ULT 9-6-4-2E	06	040S	020E	4304751916		Fee	OW	APD
DEEP CREEK 14-23-3-1E	23	030S	010E	4304751919		Fee	OW	APD
DEEP CREEK 14-24-3-1E	24	030S	010E	4304751921		Fee	OW	APD
DEEP CREEK 15-24-3-1E	24	030S	010E	4304751922		Fee	OW	APD
DEEP CREEK 16-24-3-1E	24	030S	010E	4304751923		Fee	OW	APD
DEEP CREEK 6-25-3-1E	25	030S	010E	4304751926		Fee	OW	APD
MARSH 12-35-3-1E	35	030S	010E	4304751927		Fee	OW	APD
ULT 15-6-4-2E	06	040S	020E	4304751928		Fee	OW	APD
DEEP CREEK 9-25-3-1E	25	030S	010E	4304751929		Fee	OW	APD
DEEP CREEK 8-25-3-1E	25	030S	010E	4304751930		Fee	OW	APD
ULT 8-36-3-1E	36	030S	010E	4304751931		Fee	OW	APD
ULT 11-6-4-2E	06	040S	020E	4304751932		Fee	OW	APD
ULT 11-36-3-1E	36	030S	010E	4304751933		Fee	OW	APD
ULT 13-6-4-2E	06	040S	020E	4304751934		Fee	OW	APD
ULT 1-35-3-1E	35	030S	010E	4304751935		Fee	OW	APD
DEEP CREEK 1-25-3-1E	25	030S	010E	4304752032		Fee	OW	APD
DEEP CREEK 3-25-3-1E	25	030S	010E	4304752033		Fee	OW	APD
DEEP CREEK 10-25-3-1E	25	030S	010E	4304752034		Fee	OW	APD
SENATORE 12-25-3-1E	25	030S	010E	4304752039		Fee	OW	APD
ULT 3-36-3-1E	36	030S	010E	4304752042		Fee	OW	APD
ULT 10-36-3-1E	36	030S	010E	4304752043		Fee	OW	APD
ULT 12-36-3-1E	36	030S	010E	4304752044		Fee	OW	APD
ULT 8-35-3-1E	35	030S	010E	4304752045		Fee	OW	APD
ULT 6-35-3-1E	35	030S	010E	4304752048		Fee	OW	APD
ULT 12-34-3-1E	34	030S	010E	4304752123		Fee	OW	APD
ULT 10-34-3-1E	34	030S	010E	4304752125		Fee	OW	APD
UTE TRIBAL 15-32-3-2E	32	030S	020E	4304752195		Indian	OW	APD
UTE TRIBAL 16-5-4-2E	05	040S	020E	4304752196		Indian	OW	APD
UTE TRIBAL 11-4-4-2E	04	040S	020E	4304752197		Indian	OW	APD
UTE TRIBAL 13-4-4-2E	04	040S	020E	4304752198		Indian	OW	APD
UTE TRIBAL 14-4-4-2E	04	040S	020E	4304752199		Indian	OW	APD
UTE TRIBAL 4-9-4-2E	09	040S	020E	4304752200		Indian	OW	APD
UTE TRIBAL 14-10-4-2E	10	040S	020E	4304752201		Indian	OW	APD
UTE TRIBAL 2-15-4-2E	15	040S	020E	4304752202		Indian	OW	APD
UTE TRIBAL 7-15-4-2E	15	040S	020E	4304752203		Indian	OW	APD
UTE TRIBAL 8-15-4-2E	15	040S	020E	4304752204		Indian	OW	APD
UTE TRIBAL 9-16-4-2E	16	040S	020E	4304752205		Indian	OW	APD
UTE TRIBAL 11-16-4-2E	16	040S	020E	4304752206		Indian	OW	APD
UTE TRIBAL 13-16-4-2E	16	040S	020E	4304752207		Indian	OW	APD
UTE TRIBAL 15-16-4-2E	16	040S	020E	4304752208		Indian	OW	APD
COLEMAN TRIBAL 10-18-4-2E	18	040S	020E	4304752210		Indian	OW	APD
DEEP CREEK TRIBAL 5-17-4-2E	17	040S	020E	4304752211		Indian	OW	APD
COLEMAN TRIBAL 9-17-4-2E	17	040S	020E	4304752212		Indian	OW	APD
COLEMAN TRIBAL 10-17-4-2E	17	040S	020E	4304752213		Indian	OW	APD
COLEMAN TRIBAL 11-17-4-2E	17	040S	020E	4304752214		Indian	OW	APD
COLEMAN TRIBAL 14-17-4-2E	17	040S	020E	4304752215		Indian	OW	APD
COLEMAN TRIBAL 15X-18D-4-2E	18	040S	020E	4304752216		Indian	OW	APD
COLEMAN TRIBAL 16-17-4-2E	17	040S	020E	4304752217		Indian	OW	APD
COLEMAN TRIBAL 16-18-4-2E	18	040S	020E	4304752218		Indian	OW	APD
COLEMAN TRIBAL 13-17-4-2E	17	040S	020E	4304752219		Indian	OW	APD
DEEP CREEK TRIBAL 4-25-3-1E	25	030S	010E	4304752222		Indian	OW	APD
DEEP CREEK TRIBAL 3-5-4-2E	05	040S	020E	4304752223		Indian	OW	APD
DEEP CREEK TRIBAL 5-5-4-2E	05	040S	020E	4304752224		Indian	OW	APD
DEEP CREEK TRIBAL 4-5-4-2E	05	040S	020E	4304752225		Indian	OW	APD
DEEP CREEK TRIBAL 6-5-4-2E	05	040S	020E	4304752226		Indian	OW	APD
DEEP CREEK 9-9-4-2E	09	040S	020E	4304752409		Fee	OW	APD
DEEP CREEK 13-9-4-2E	09	040S	020E	4304752410		Fee	OW	APD
DEEP CREEK 15-9-4-2E	09	040S	020E	4304752411		Fee	OW	APD



Well Name	SECTION	TWN	RNG	API Number	Entity	Lesase Type	Well Type	Well Status
DEEP CREEK 1-16-4-2E	16	040S	020E	4304752412		Fee	OW	APD
DEEP CREEK 3-16-4-2E	16	040S	020E	4304752413		Fee	OW	APD
DEEP CREEK 7-9-4-2E	09	040S	020E	4304752414		Fee	OW	APD
DEEP CREEK 11-9-4-2E	09	040S	020E	4304752415		Fee	OW	APD
DEEP CREEK 5-16-4-2E	16	040S	020E	4304752416		Fee	OW	APD
ULT 14-5-4-2E	05	040S	020E	4304752417		Fee	OW	APD
DEEP CREEK 7-16-4-2E	16	040S	020E	4304752418		Fee	OW	APD
DEEP CREEK 11-15-4-2E	15	040S	020E	4304752422		Fee	OW	APD
ULT 13-5-4-2E	05	040S	020E	4304752423		Fee	OW	APD
DEEP CREEK 13-15-4-2E	15	040S	020E	4304752424		Fee	OW	APD
DEEP CREEK 15-15-4-2E	15	040S	020E	4304752425		Fee	OW	APD
DEEP CREEK 16-15-4-2E	15	040S	020E	4304752426		Fee	OW	APD
BOWERS 5-6-4-2E	06	040S	020E	4304752427		Fee	OW	APD
BOWERS 6-6-4-2E	06	040S	020E	4304752428		Fee	OW	APD
BOWERS 7-6-4-2E	06	040S	020E	4304752430		Fee	OW	APD
BOWERS 8-6-4-2E	06	040S	020E	4304752431		Fee	OW	APD
DEEP CREEK 8-9-4-2E	09	040S	020E	4304752438		Fee	OW	APD
DEEP CREEK 10-9-4-2E	09	040S	020E	4304752439		Fee	OW	APD
DEEP CREEK 12-9-4-2E	09	040S	020E	4304752440		Fee	OW	APD
DEEP CREEK 14-9-4-2E	09	040S	020E	4304752445		Fee	OW	APD
DEEP CREEK 2-16-4-2E	16	040S	020E	4304752446		Fee	OW	APD
DEEP CREEK 16-9-4-2E	09	040S	020E	4304752447		Fee	OW	APD
DEEP CREEK 4-16-4-2E	16	040S	020E	4304752448		Fee	OW	APD
DEEP CREEK 6-16-4-2E	16	040S	020E	4304752449		Fee	OW	APD
DEEP CREEK 8-16-4-2E	16	040S	020E	4304752450		Fee	OW	APD
DEEP CREEK 12-15-4-2E	15	040S	020E	4304752451		Fee	OW	APD
DEEP CREEK 14-15-4-2E	15	040S	020E	4304752452		Fee	OW	APD
DEEP CREEK 12-32-3-2E	32	030S	020E	4304752453		Fee	OW	APD
DEEP CREEK 14-32-3-2E	32	030S	020E	4304752455		Fee	OW	APD
ULT 9-34-3-1E	34	030S	010E	4304752462		Fee	OW	APD
ULT 11-34-3-1E	34	030S	010E	4304752463		Fee	OW	APD
ULT 13-34-3-1E	34	030S	010E	4304752464		Fee	OW	APD
ULT 14-34-3-1E	34	030S	010E	4304752465		Fee	OW	APD
ULT 15-34-3-1E	34	030S	010E	4304752466		Fee	OW	APD
COLEMAN TRIBAL 2-7-4-2E	07	040S	020E	4304752472		Indian	OW	APD
COLEMAN TRIBAL 4-7-4-2E	07	040S	020E	4304752473		Indian	OW	APD
COLEMAN TRIBAL 6-7-4-2E	07	040S	020E	4304752474		Indian	OW	APD
COLEMAN TRIBAL 8-7-4-2E	07	040S	020E	4304752475		Indian	OW	APD
DEEP CREEK TRIBAL 10-7-4-2E	07	040S	020E	4304752476		Indian	OW	APD
DEEP CREEK TRIBAL 12-7-4-2E	07	040S	020E	4304752477		Indian	OW	APD
DEEP CREEK TRIBAL 14-7-4-2E	07	040S	020E	4304752478		Indian	OW	APD
DEEP CREEK TRIBAL 16-7-4-2E	07	040S	020E	4304752479		Indian	OW	APD
COLEMAN TRIBAL 2-8-4-2E	08	040S	020E	4304752480		Indian	OW	APD
COLEMAN TRIBAL 4-8-4-2E	08	040S	020E	4304752481		Indian	OW	APD
DEEP CREEK TRIBAL 14-8-4-2E	08	040S	020E	4304752482		Indian	OW	APD
DEEP CREEK TRIBAL 12-8-4-2E	08	040S	020E	4304752483		Indian	OW	APD
COLEMAN TRIBAL 6-8-4-2E	08	040S	020E	4304752484		Indian	OW	APD
COLEMAN TRIBAL 8-8-4-2E	08	040S	020E	4304752485		Indian	OW	APD
DEEP CREEK TRIBAL 16-8-4-2E	08	040S	020E	4304752486		Indian	OW	APD
DEEP CREEK TRIBAL 10-8-4-2E	08	040S	020E	4304752487		Indian	OW	APD
GUSHER FED 14-3-6-20E	03	060S	200E	4304752497		Federal	OW	APD
HORSESHOE BEND FED 14-28-6-21E	28	060S	210E	4304752498		Federal	OW	APD
GUSHER FED 9-3-6-20E	03	060S	200E	4304752499		Federal	OW	APD
GUSHER FED 6-25-6-20E	25	060S	200E	4304752500		Federal	OW	APD
GUSHER FED 8-25-6-20E	25	060S	200E	4304752501		Federal	OW	APD
HORSESHOE BEND FED 11-29-6-21E	29	060S	210E	4304752502		Federal	OW	APD
GUSHER FED 1-11-6-20E	11	060S	200E	4304752503		Federal	OW	APD
GUSHER FED 11-22-6-20E	22	060S	200E	4304752504		Federal	OW	APD
GUSHER FED 3-21-6-20E	21	060S	200E	4304752505		Federal	OW	APD
GUSHER FED 16-26-6-20E	26	060S	200E	4304752506		Federal	OW	APD
GUSHER FED 12-15-6-20E	15	060S	200E	4304752507		Federal	OW	APD
GUSHER FED 11-1-6-20E	01	060S	200E	4304752508		Federal	OW	APD
GUSHER FED 1-27-6-20E	27	060S	200E	4304752509		Federal	OW	APD
GUSHER FED 9-27-6-20E	27	060S	200E	4304752510		Federal	OW	APD



Well Name	SECTION	TWN	RNG	API Number	Entity	Lesase Type	Well Type	Well Status
GUSHER FED 1-28-6-20E	28	060S	200E	4304752511		Federal	OW	APD
WOMACK 7-8-3-1E	08	030S	010E	4304752880		Fee	OW	APD
Kendall 13-17-3-1E	17	030S	010E	4304752881		Fee	OW	APD
WOMACK 11-9-3-1E	09	030S	010E	4304752882		Fee	OW	APD
Kendall 11-17-3-1E	17	030S	010E	4304752883		Fee	OW	APD
WOMACK 13-9-3-1E	09	030S	010E	4304752884		Fee	OW	APD
WOMACK 3-16-3-1E	16	030S	010E	4304752885		Fee	OW	APD
WOMACK 4-16-3-1E	16	030S	010E	4304752886		Fee	OW	APD
WOMACK 5-8-3-1E	08	030S	010E	4304752887		Fee	OW	APD
Womack 4-7-3-1E	07	030S	010E	4304752888		Fee	OW	APD
WOMACK 5-16-3-1E	16	030S	010E	4304752889		Fee	OW	APD
WOMACK 6-16-3-1E	16	030S	010E	4304752890		Fee	OW	APD
Kendall 5-17-3-1E	17	030S	010E	4304752891		Fee	OW	APD
Kendall 5-9-3-1E	09	030S	010E	4304752892		Fee	OW	APD
KENDALL 12-7-3-1E	07	030S	010E	4304752893		Fee	OW	APD
Kendall 11-8-3-1E	08	030S	010E	4304752894		Fee	OW	APD
Kendall 4-17-3-1E	17	030S	010E	4304752895		Fee	OW	APD
Kendall 7-9-3-1E	09	030S	010E	4304752896		Fee	OW	APD
Kendall 13-8-3-1E	08	030S	010E	4304752897		Fee	OW	APD
Kendall 16-8-3-1E	08	030S	010E	4304752898		Fee	OW	APD
Kendall 6-9-3-1E	09	030S	010E	4304752899		Fee	OW	APD
KENDALL 15-7-3-1E	07	030S	010E	4304752900		Fee	OW	APD
KENDALL 9-8-3-1E	08	030S	010E	4304752901		Fee	OW	APD
KENDALL 13-7-3-1E	07	030S	010E	4304752911		Fee	OW	APD
ULT 3-31-3-2E	31	030S	020E	4304752954		Fee	OW	APD
ULT 6-29-3-2E	29	030S	020E	4304752955		Fee	OW	APD
ULT 5-31-3-2E	31	030S	020E	4304752956		Fee	OW	APD
ULT 11-31-3-2E	31	030S	020E	4304752957		Fee	OW	APD
ULT 13-31-3-2E	31	030S	020E	4304752958		Fee	OW	APD
ULT 11-29-3-2E	29	030S	020E	4304752959		Fee	OW	APD
ULT 13-29-3-2E	29	030S	020E	4304752960		Fee	OW	APD
ULT 5-29-3-2E	29	030S	020E	4304752961		Fee	OW	APD
ULT 4-29-3-2E	29	030S	020E	4304752962		Fee	OW	APD
ULT 14-29-3-2E	29	030S	020E	4304752963		Fee	OW	APD
ULT 3-29-3-2E	29	030S	020E	4304752964		Fee	OW	APD
MERRITT 2-18-3-1E	18	030S	010E	4304752966		Fee	OW	APD
MERRITT 3-18-3-1E	18	030S	010E	4304752967		Fee	OW	APD
DEEP CREEK 11-20-3-2	20	030S	020E	4304752968		Fee	OW	APD
DEEP CREEK 14-19-3-2E	19	030S	020E	4304752969		Fee	OW	APD
DEEP CREEK 5-30-3-2E	30	030S	020E	4304752970		Fee	OW	APD
DEEP CREEK 11-30-3-2E	30	030S	020E	4304752971		Fee	OW	APD
DEEP CREEK 1-30-3-2E	30	030S	020E	4304752972		Fee	OW	APD
DEEP CREEK 13-20-3-2E	20	030S	020E	4304752973		Fee	OW	APD
DEEP CREEK 16-29-3-2E	29	030S	020E	4304752974		Fee	OW	APD
DEEP CREEK 15-29-3-2E	29	030S	020E	4304752975		Fee	OW	APD
DEEP CREEK 11-19-3-2E	19	030S	020E	4304752976		Fee	OW	APD
DEEP CREEK 14-20-3-2E	20	030S	020E	4304752977		Fee	OW	APD
DEEP CREEK 12-19-3-2E	19	030S	020E	4304752978		Fee	OW	APD
DEEP CREEK 13-19-3-2E	19	030S	020E	4304752979		Fee	OW	APD
DEEP CREEK 12-20-3-2E	20	030S	020E	4304752980		Fee	OW	APD
DEEP CREEK 1-31-3-2E	31	030S	020E	4304752981		Fee	OW	APD
DEEP CREEK 3-30-3-2E	30	030S	020E	4304752982		Fee	OW	APD
DEEP CREEK 10-29-3-2E	29	030S	020E	4304752983		Fee	OW	APD
DEEP CREEK 7-31-3-2E	31	030S	020E	4304752984		Fee	OW	APD
UTE ENERGY 16-31-3-2E	31	030S	020E	4304752985		Fee	OW	APD
UTE ENERGY 15-31-3-2E	31	030S	020E	4304752986		Fee	OW	APD
GAVITTE 15-23-3-1E	23	030S	010E	4304752987		Fee	OW	APD
KNIGHT 13-30-3-2E	30	030S	020E	4304752988		Fee	OW	APD
KNIGHT 15-30-3-2E	30	030S	020E	4304752989		Fee	OW	APD
MERRITT 7-18-3-1E	18	030S	010E	4304752992		Fee	OW	APD
LAMB 3-15-4-2E	15	040S	020E	4304753014		Fee	OW	APD
LAMB 4-15-4-2E	15	040S	020E	4304753015		Fee	OW	APD
LAMB 5-15-4-2E	15	040S	020E	4304753016		Fee	OW	APD
LAMB 6-15-4-2E	15	040S	020E	4304753017		Fee	OW	APD



Ute Energy Upstream Holding, LLC (N3730) to Crescent Point Energy U.S. Corp (N3935)  
Effective 11/30/2012

Well Name	SECTION	TWN	RNG	API Number	Entity	Lesase Type	Well Type	Well Status
DEEP CREEK 9-15-4-2E	15	040S	020E	4304753018		Fee	OW	APD
DEEP CREEK 10-15-4-2E	15	040S	020E	4304753019		Fee	OW	APD
KENDALL 14-7-3-1E	07	030S	010E	4304753088		Fee	OW	APD
WOMACK 1-7-3-1E	07	030S	010E	4304753089		Fee	OW	APD
KENDALL 15-18-3-1E	18	030S	010E	4304753090		Fee	OW	APD
KENDALL 10-18-3-1E	18	030S	010E	4304753091		Fee	OW	APD
KENDALL 16-18-3-1E	18	030S	010E	4304753092		Fee	OW	APD
WOMACK 2-7-3-1E	07	030S	010E	4304753093		Fee	OW	APD
WOMACK 3-7-3-1E	07	030S	010E	4304753094		Fee	OW	APD
KENDALL 9-18-3-1E	18	030S	010E	4304753095		Fee	OW	APD
KENDALL 8-18-3-1E	18	030S	010E	4304753096		Fee	OW	APD
KENDALL 1-18-3-1E	18	030S	010E	4304753097		Fee	OW	APD
KENDALL 6-17-3-1E	17	030S	010E	4304753098		Fee	OW	APD
KENDALL 3-17-3-1E	17	030S	010E	4304753099		Fee	OW	APD
KENDALL 12-9-3-1E	09	030S	010E	4304753100		Fee	OW	APD
KENDALL 12-17-3-1E	17	030S	010E	4304753101		Fee	OW	APD
WOMACK 1-8-3-1E	08	030S	010E	4304753104		Fee	OW	APD
WOMACK 2-8-3-1E	08	030S	010E	4304753105		Fee	OW	APD
WOMACK 3-8-3-1E	08	030S	010E	4304753106		Fee	OW	APD
WOMACK 4-8-3-1E	08	030S	010E	4304753107		Fee	OW	APD
WOMACK 6-8-3-1E	08	030S	010E	4304753108		Fee	OW	APD
WOMACK 8-8-3-1E	08	030S	010E	4304753109		Fee	OW	APD
KENDALL 10-8-3-1E	08	030S	010E	4304753110		Fee	OW	APD
KENDALL 12-8-3-1E	08	030S	010E	4304753111		Fee	OW	APD
KENDALL 14-8-3-1E	08	030S	010E	4304753112		Fee	OW	APD
KENDALL 2-9-3-1E	09	030S	010E	4304753114		Fee	OW	APD
KENDALL 15-8-3-1E	08	030S	010E	4304753115		Fee	OW	APD
KETTLE 3-10-3-1E	10	030S	010E	4304753116		Fee	OW	APD
KETTLE 6-10-3-1E	10	030S	010E	4304753117		Fee	OW	APD
KETTLE 11-10-3-1E	10	030S	010E	4304753118		Fee	OW	APD
KETTLE 12-10-3-1E	10	030S	010E	4304753119		Fee	OW	APD
KENDALL 14-17-3-1E	17	030S	010E	4304753120		Fee	OW	APD
KENDALL TRIBAL 14-18-3-1E	18	030S	010E	4304753142		Indian	OW	APD
KENDALL TRIBAL 9-13-3-1W	13	030S	010W	4304753143		Indian	OW	APD
KENDALL TRIBAL 1-13-3-1W	13	030S	010W	4304753144		Indian	OW	APD
KENDALL TRIBAL 13-18-3-1E	18	030S	010E	4304753145		Indian	OW	APD
KENDALL TRIBAL 9-7-3-1E	07	030S	010E	4304753146		Indian	OW	APD
KENDALL TRIBAL 10-7-3-1E	07	030S	010E	4304753147		Indian	OW	APD
KENDALL TRIBAL 12-18-3-1E	18	030S	010E	4304753148		Indian	OW	APD
KENDALL TRIBAL 11-18-3-1E	18	030S	010E	4304753149		Indian	OW	APD
KENDALL TRIBAL 5-18-3-1E	18	030S	010E	4304753150		Indian	OW	APD
KENDALL TRIBAL 4-18-3-1E	18	030S	010E	4304753151		Indian	OW	APD
KENDALL TRIBAL 16-7-3-1E	07	030S	010E	4304753152		Indian	OW	APD
KENDALL TRIBAL 11-7-3-1E	07	030S	010E	4304753153		Indian	OW	APD
FEDERAL 12-5-6-20	05	060S	200E	4304750404	18736	Federal	OW	DRL
FEDERAL 12-25-6-20	25	060S	200E	4304751235	18786	Federal	OW	DRL
FEDERAL 10-26-6-20	26	060S	200E	4304751236	18811	Federal	OW	DRL
DEEP CREEK 7-25-3-1E	25	030S	010E	4304751582	18192	Fee	OW	DRL
COLEMAN TRIBAL 5-7-4-2E	07	040S	020E	4304751733	18375	Indian	OW	DRL
ULT 1-36-3-1E	36	030S	010E	4304751751	18236	Fee	OW	DRL
DEEP CREEK 11-25-3-1E	25	030S	010E	4304751889	18805	Fee	OW	DRL
ULT 9-36-3-1E	36	030S	010E	4304751900	18311	Fee	OW	DRL
ULT 13-36-3-1E	36	030S	010E	4304751901	18312	Fee	OW	DRL
ULT 15-36-3-1E	36	030S	010E	4304751902	18298	Fee	OW	DRL
ULT 8-26-3-1E	26	030S	010E	4304751924	18763	Fee	OW	DRL
DEEP CREEK 2-25-3-1E	25	030S	010E	4304751925	18808	Fee	OW	DRL
COLEMAN TRIBAL 1-7-4-2E	07	040S	020E	4304751937	18477	Indian	OW	DRL
COLEMAN TRIBAL 5-8-4-2E	08	040S	020E	4304751946	18503	Indian	OW	DRL
DEEP CREEK TRIBAL 9-8-4-2E	08	040S	020E	4304752007	18501	Indian	OW	DRL
GAVITTE 2-26-3-1E	26	030S	010E	4304752040	18760	Fee	OW	DRL
SZYNDROWSKI 12-27-3-1E	27	030S	010E	4304752116	18812	Fee	OW	DRL
ULT 3-34-3-1E	34	030S	010E	4304752124	99999	Fee	OW	DRL
SZYNDROWSKI 16-28-3-1E	28	030S	010E	4304752126	18758	Fee	OW	DRL
SZYNDROWSKI 10-28-3-1E	28	030S	010E	4304752130	18807	Fee	OW	DRL



Ute Energy Upstream Holding, LLC (N3730) to Crescent Point Energy U.S. Corp (N3935)  
Effective 11/30/2012

Well Name	SECTION	TWN	RNG	API Number	Entity	Lesase Type	Well Type	Well Status
SZYNDROWSKI 7-28-3-1E	28	030S	010E	4304752131	18715	Fee	OW	DRL
UTE TRIBAL 8-30-3-2E	30	030S	020E	4304752193	18641	Indian	OW	DRL
UTE TRIBAL 4-32-3-2E	32	030S	020E	4304752194	18643	Indian	OW	DRL
DEEP CREEK TRIBAL 16-23-3-1E	23	030S	010E	4304752220	18835	Indian	OW	DRL
ULT 7X-36-3-1E	36	030S	010E	4304752293	18697	Fee	OW	DRL
BOWERS 1-6-4-2E	06	040S	020E	4304752419	18871	Fee	OW	DRL
BOWERS 2-6-4-2E	06	040S	020E	4304752420	99999	Fee	OW	DRL
BOWERS 3-6-4-2E	06	040S	020E	4304752421	18872	Fee	OW	DRL
BOWERS 4-6-4-2E	06	040S	020E	4304752432	18714	Fee	OW	DRL
GAVITTE 2-27-3-1E	27	030S	010E	4304752454	18815	Fee	OW	DRL
GAVITTE 1-27-3-1E	27	030S	010E	4304752456	18762	Fee	OW	DRL
SZYNDROWSKI 13-27-3-1E	27	030S	010E	4304752457	99999	Fee	OW	DRL
ULT 2-34-3-1E	34	030S	010E	4304752458	18828	Fee	OW	DRL
ULT 4-34-3-1E	34	030S	010E	4304752459	18837	Fee	OW	DRL
ULT 6-34-3-1E	34	030S	010E	4304752460	18836	Fee	OW	DRL
ULT 8-34-3-1E	34	030S	010E	4304752461	18838	Fee	OW	DRL
HORSESHOE BEND 2	03	070S	210E	4304715800	11628	Federal	OW	P
FED MILLER 1	04	070S	220E	4304730034	2750	Federal	GW	P
BASER DRAW 1-31	31	060S	220E	4304730831	2710	Federal	GW	P
COORS 14-1-D	14	070S	210E	4304731304	11193	Federal	GW	P
FEDERAL 34-2-K	34	060S	210E	4304731467	10550	Federal	OW	P
FEDERAL 33-1-I	33	060S	210E	4304731468	9615	Federal	OW	P
HORSESHOE BEND ST 36-1	36	060S	210E	4304731482	9815	State	GW	P
COTTON CLUB 1	31	060S	210E	4304731643	10380	Federal	OW	P
ANNA BELLE 31-2-J	31	060S	210E	4304731698	10510	Fee	OW	P
BASER DRAW 6-1	06	070S	220E	4304731834	10863	Federal	GW	P
FEDERAL 4-2-F	04	070S	210E	4304731853	10933	Federal	OW	P
COORS FEDERAL 2-10HB	10	070S	210E	4304732009	11255	Federal	GW	P
GOVERNMENT 12-14	14	060S	200E	4304732850	12150	Federal	OW	P
GOSE FEDERAL 3-18	18	060S	210E	4304733691	13244	Federal	OW	P
GUSHER FED 16-14-6-20	14	060S	200E	4304737475	15905	Federal	OW	P
GUSHER FED 6-24-6-20	24	060S	200E	4304737556	17068	Federal	OW	P
FEDERAL 2-25-6-20	25	060S	200E	4304737557	15812	Federal	OW	P
FEDERAL 5-19-6-21	19	060S	210E	4304737559	15813	Federal	OW	P
GUSHER FED 5-13-6-20	13	060S	200E	4304738403	17401	Federal	OW	P
KNIGHT 16-30	30	030S	020E	4304738499	16466	Fee	OW	P
KNIGHT 14-30	30	030S	020E	4304738501	15848	Fee	OW	P
FEDERAL 14-12-6-20	12	060S	200E	4304738998	17404	Federal	OW	P
FEDERAL 2-14-6-20	14	060S	200E	4304738999	17402	Federal	OW	P
FEDERAL 8-23-6-20	23	060S	200E	4304739000	17158	Federal	OW	P
FEDERAL 8-24-6-20	24	060S	200E	4304739076	17403	Federal	OW	P
FEDERAL 14-24-6-20	24	060S	200E	4304739078	17139	Federal	OW	P
FEDERAL 14-19-6-21	19	060S	210E	4304739079	17448	Federal	OW	P
DEEP CREEK 2-31	31	030S	020E	4304740026	16950	Fee	OW	P
DEEP CREEK 8-31	31	030S	020E	4304740032	17053	Fee	OW	P
ULT 12-29	29	030S	020E	4304740039	17010	Fee	OW	P
ELIASON 12-30	30	030S	020E	4304740040	17011	Fee	OW	P
FEDERAL 16-13-6-20	13	060S	200E	4304740487	17433	Federal	OW	P
FEDERAL 2-26-6-20	26	060S	200E	4304750406	17373	Federal	OW	P
FEDERAL 4-9-6-20	09	060S	200E	4304750407	17382	Federal	OW	P
FEDERAL 10-22-6-20	22	060S	200E	4304751227	18737	Federal	OW	P
FEDERAL 2-23-6-20	23	060S	200E	4304751228	18081	Federal	OW	P
FEDERAL 10-23-6-20	23	060S	200E	4304751229	18082	Federal	OW	P
FEDERAL 12-23-6-20	23	060S	200E	4304751230	18756	Federal	OW	P
FEDERAL 14-23-6-20	23	060S	200E	4304751231	18757	Federal	OW	P
FEDERAL 2-24-6-20	24	060S	200E	4304751232	18083	Federal	OW	P
FEDERAL 4-24-6-20	24	060S	200E	4304751233	18062	Federal	OW	P
FEDERAL 4-25-6-20	25	060S	200E	4304751234	18084	Federal	OW	P
FEDERAL 16-23-6-20	23	060S	200E	4304751278	18013	Federal	OW	P
FEDERAL 12-24-6-20	24	060S	200E	4304751279	17997	Federal	OW	P
COLEMAN TRIBAL 2-18-4-2E	18	040S	020E	4304751488	18036	Indian	OW	P
COLEMAN TRIBAL 5-18-4-2E	18	040S	020E	4304751489	18136	Indian	OW	P
COLEMAN TRIBAL 6-18-4-2E	18	040S	020E	4304751490	18137	Indian	OW	P
COLEMAN TRIBAL 8-18-4-2E	18	040S	020E	4304751491	18058	Indian	OW	P



Well Name	SECTION	TWN	RNG	API Number	Entity	Lesase Type	Well Type	Well Status
COLEMAN TRIBAL 13-18-4-2E	18	040S	020E	4304751492	18059	Indian	OW	P
COLEMAN TRIBAL 14-18-4-2E	18	040S	020E	4304751493	18068	Indian	OW	P
COLEMAN TRIBAL 15-18-4-2E	18	040S	020E	4304751494	18069	Indian	OW	P
COLEMAN TRIBAL 7-8-4-2E	08	040S	020E	4304751496	18074	Indian	OW	P
DEEP CREEK TRIBAL 7-17-4-2E	17	040S	020E	4304751497	18060	Indian	OW	P
UTE TRIBAL 6-32-3-2E	32	030S	020E	4304751555	18094	Indian	OW	P
UTE TRIBAL 1-5-4-2E	05	040S	020E	4304751556	18093	Indian	OW	P
UTE TRIBAL 10-5-4-2E	05	040S	020E	4304751557	18092	Indian	OW	P
UTE TRIBAL 6-9-4-2E	09	040S	020E	4304751558	18080	Indian	OW	P
ULT 10-6-4-2E	06	040S	020E	4304751569	18139	Fee	OW	P
ULT 12-6-4-2E	06	040S	020E	4304751571	18138	Fee	OW	P
ULT 16-6-4-2E	06	040S	020E	4304751573	18140	Fee	OW	P
ULT 11-5-4-2E	05	040S	020E	4304751574	18188	Fee	OW	P
DEEP CREEK 13-32-3-2E	32	030S	020E	4304751575	18412	Fee	OW	P
ULT 5-36-3-1E	36	030S	010E	4304751577	18191	Fee	OW	P
ULT 14-36-3-1E	36	030S	010E	4304751579	18181	Fee	OW	P
ULT 16-36-3-1E	36	030S	010E	4304751580	18180	Fee	OW	P
DEEP CREEK 16-25-3-1E	25	030S	010E	4304751583	18235	Fee	OW	P
ULT 14-25-3-1E	25	030S	010E	4304751584	18182	Fee	OW	P
ULT 5-26-3-1E	26	030S	010E	4304751650	18229	Fee	OW	P
ULT 7-26-3-1E	26	030S	010E	4304751651	18237	Fee	OW	P
ULT 16-26-3-1E	26	030S	010E	4304751652	18231	Fee	OW	P
ULT 14-26-3-1E	26	030S	010E	4304751653	18239	Fee	OW	P
ULT 5-34-3-1E	34	030S	010E	4304751654	18283	Fee	OW	P
ULT 7-34-3-1E	34	030S	010E	4304751655	18284	Fee	OW	P
ULT 16-34-3-1E	34	030S	010E	4304751656	18273	Fee	OW	P
ULT 5-35-3-1E	35	030S	010E	4304751657	18214	Fee	OW	P
MARSH 14-35-3-1E	35	030S	010E	4304751658	18272	Fee	OW	P
SZYNDROWSKI 5-27-3-1E	27	030S	010E	4304751659	18275	Fee	OW	P
ULT 7-35-3-1E	35	030S	010E	4304751660	18222	Fee	OW	P
ULT 6-31-3-2E	31	030S	020E	4304751661	18257	Fee	OW	P
DEEP CREEK 2-30-3-2E	30	030S	020E	4304751662	18276	Fee	OW	P
DEEP CREEK 4-30-3-2E	30	030S	020E	4304751663	18274	Fee	OW	P
DEEP CREEK 11-32-3-2E	32	030S	020E	4304751664	18374	Fee	OW	P
COLEMAN TRIBAL 1-8-4-2E	08	040S	020E	4304751727	18404	Indian	OW	P
COLEMAN TRIBAL 7-7-4-2E	07	040S	020E	4304751728	18398	Indian	OW	P
DEEP CREEK TRIBAL 9-7-4-2E	07	040S	020E	4304751729	18402	Indian	OW	P
COLEMAN TRIBAL 3-8-4-2E	08	040S	020E	4304751730	18399	Indian	OW	P
DEEP CREEK TRIBAL 13-8-4-2E	08	040S	020E	4304751732	18401	Indian	OW	P
DEEP CREEK TRIBAL 15-8-4-2E	08	040S	020E	4304751734	18407	Indian	OW	P
DEEP CREEK TRIBAL 6-17-4-2E	17	040S	020E	4304751735	18406	Indian	OW	P
DEEP CREEK TRIBAL 8-17-4-2E	17	040S	020E	4304751736	18400	Indian	OW	P
COLEMAN TRIBAL 12-17-4-2E	17	040S	020E	4304751737	18405	Indian	OW	P
COLEMAN TRIBAL 15-17-4-2E	17	040S	020E	4304751738	18397	Indian	OW	P
MARSH 13-35-3-1E	35	030S	010E	4304751754	18258	Fee	OW	P
ULT 9-26-3-1E	26	030S	010E	4304751755	18230	Fee	OW	P
ULT 1-34-3-1E	34	030S	010E	4304751756	18238	Fee	OW	P
ULT 6-26-3-1E	26	030S	010E	4304751874	18322	Fee	OW	P
ULT 10-26-3-1E	26	030S	010E	4304751875	18323	Fee	OW	P
ULT 13-26-3-1E	26	030S	010E	4304751887	18325	Fee	OW	P
ULT 15-26-3-1E	26	030S	010E	4304751888	18321	Fee	OW	P
ULT 12-26-3-1E	26	030S	010E	4304751891	18324	Fee	OW	P
ULT 6-36-3-1E	36	030S	010E	4304751897	18296	Fee	OW	P
ULT 2-36-3-1E	36	030S	010E	4304751898	18297	Fee	OW	P
GAVITTE 3-26-3-1E	26	030S	010E	4304751917	18504	Fee	OW	P
GAVITTE 13-23-3-1E	23	030S	010E	4304751918	18545	Fee	OW	P
DEEP CREEK 13-24-3-1E	24	030S	010E	4304751920	18514	Fee	OW	P
COLEMAN TRIBAL 3-18-4-2E	18	040S	020E	4304751998	18438	Indian	OW	P
COLEMAN TRIBAL 4-18-4-2E	18	040S	020E	4304751999	18460	Indian	OW	P
COLEMAN TRIBAL 7-18-4-2E	18	040S	020E	4304752000	18459	Indian	OW	P
COLEMAN TRIBAL 1-18-4-2E	18	040S	020E	4304752001	18435	Indian	OW	P
COLEMAN TRIBAL 3-7-4-2E	07	040S	020E	4304752002	18436	Indian	OW	P
COLEMAN TRIBAL 11-18-4-2E	18	040S	020E	4304752003	18476	Indian	OW	P
COLEMAN TRIBAL 12-18-4-2E	18	040S	020E	4304752004	18458	Indian	OW	P



Ute Energy Upstream Holding, LLC (N3730) to Crescent Point Energy U.S. Corp (N3935)  
Effective 11/30/2012

Well Name	SECTION	TWN	RNG	API Number	Entity	Lesase Type	Well Type	Well Status
DEEP CREEK TRIBAL 11-8-4-2E	08	040S	020E	4304752008	18502	Indian	OW	P
DEEP CREEK TRIBAL 11-7-4-2E	07	040S	020E	4304752009	18499	Indian	OW	P
DEEP CREEK TRIBAL 15-7-4-2E	07	040S	020E	4304752010	18498	Indian	OW	P
GAVITTE 4-26-3-1E	26	030S	010E	4304752041	18761	Fee	OW	P
UTE ENERGY 7-27-3-1E	27	030S	010E	4304752117	18497	Fee	OW	P
UTE ENERGY 10-27-3-1E	27	030S	010E	4304752118	18505	Fee	OW	P
UTE ENERGY 11-27-3-1E	27	030S	010E	4304752119	18496	Fee	OW	P
UTE ENERGY 15-27-3-1E	27	030S	010E	4304752120	18515	Fee	OW	P
UTE ENERGY 6-27-3-1E	27	030S	010E	4304752121	18500	Fee	OW	P
UTE ENERGY 14-27-3-1E	27	030S	010E	4304752122	18506	Fee	OW	P
SZYNDROWSKI 15-28-3-1E	28	030S	010E	4304752127	18759	Fee	OW	P
SZYNDROWSKI 9-28-3-1E	28	030S	010E	4304752128	18806	Fee	OW	P
SZYNDROWSKI 8-28-3-1E	28	030S	010E	4304752132	18716	Fee	OW	P
DEEP CREEK TRIBAL 1-26-3-1E	26	030S	010E	4304752221	18713	Indian	OW	P
ULT 7-36-3-1E	36	030S	010E	4304751578	18189	Fee	D	PA
EAST GUSHER UNIT 3	10	060S	200E	4304715590	10341	Federal	OW	S
WOLF GOVT FED 1	05	070S	220E	4304715609	2755	Federal	GW	S
GOVT 4-14	14	060S	200E	4304730155	760	Federal	OW	S
STIRRUP FEDERAL 29-2	29	060S	210E	4304731508	11055	Federal	OW	S
L C K 30-1-H	30	060S	210E	4304731588	10202	Fee	OW	S
FEDERAL 21-1-P	21	060S	210E	4304731647	1316	Federal	GW	S
FEDERAL 4-1-D	04	070S	210E	4304731693	10196	Federal	OW	S
FEDERAL 5-5-H	05	070S	210E	4304731903	11138	Federal	OW	S
GOVERNMENT 10-14	14	060S	200E	4304732709	12009	Federal	OW	S
HORSESHOE BEND FED 11-1	11	070S	210E	4304733833	13126	Federal	GW	S
FEDERAL 6-11-6-20	11	060S	200E	4304737558	15836	Federal	OW	S
FEDERAL 6-30-6-21	30	060S	210E	4304737560	15814	Federal	OW	S
ELIASON 6-30	30	030S	020E	4304738500	16465	Fee	OW	S
FEDERAL 8-13-6-20	13	060S	200E	4304738996	17407	Federal	OW	S
FEDERAL 14-13-6-20	13	060S	200E	4304738997	17176	Federal	OW	S
ULT 4-31	31	030S	020E	4304740017	16985	Fee	OW	S
FEDERAL 8-8-6-20	08	060S	200E	4304750408	17381	Federal	OW	S
FEDERAL 2-17-6-20	17	060S	200E	4304750414	18010	Federal	OW	S
UTE TRIBAL 10-30-3-2E	30	030S	020E	4304751554	18095	Indian	OW	S
ULT 14-6-4-2E	06	040S	020E	4304751572	18171	Fee	OW	S
ULT 14-31-3-2E	31	030S	020E	4304751576	18179	Fee	OW	S
SENATORE 5-25-3-1E	25	030S	010E	4304751581	18190	Fee	OW	S
ULT 12-31-3-2E	31	030S	020E	4304751585	18178	Fee	OW	S
DEEP CREEK TRIBAL 13-7-4-2E	07	040S	020E	4304751746	18403	Indian	OW	S
ULT 4-36-3-1E	36	030S	010E	4304751895	18295	Fee	OW	S
ULT 11-26-3-1E	26	030S	010E	4304752047	18513	Fee	OW	S
E GUSHER 2-1A	03	060S	200E	4304731431	11333	Federal	OW	TA
FEDERAL 11-1-M	11	060S	200E	4304732333	11443	Federal	OW	TA



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: See Attachment
2. NAME OF OPERATOR: Crescent Point Energy U.S. Corp N3935		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See Attachment
3. ADDRESS OF OPERATOR: 555 17th Street, Suite 750 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: See Attachment
PHONE NUMBER: (720) 880-3610		8. WELL NAME and NUMBER: See Attachment
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attachment		9. API NUMBER: See Attach
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT: See Attachment
COUNTY: Uintah		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 11/30/2012	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective 11/30/2012, Crescent Point Energy U.S. Corp took over operations of the referenced wells. The previous owner/operator was:

Ute Energy Upstream Holdings LLC N3730  
1875 Lawrence Street, Suite 200  
Denver, CO 80212

Effective 11/30/2012, Crescent Point Energy U.S. Corp is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under State Bond Nos. LPM9080271 and LPM 9080272 and BLM Bond No. LPM9080275.

BIA Bond No:

Ute Energy Upstream Holding LLC


Print Name: ANTHONY BALDWIN

Seller Signature:



Title: TREASURER

Date: 1/11/2013

NAME (PLEASE PRINT) Kent Mitchell	TITLE President
SIGNATURE 	DATE Jan 11/13

(This space for State use only)

APPROVED

FEB 26 2013

DIV. OIL GAS & MINING

BY: Rachel Medina

RECEIVED

FEB 01 2013

Div of Oil, Gas & Mining

Amended well  
list rec.

RECEIVED

JAN 15 2013

DIV. OF OIL, GAS & MINING

original recdate



## Drilled Wells

API	Well	Qtr/Qtr	Section	T	R	Well Status	Well Type	Mineral Lease
4304715590	East Gusher Unit 3	NWNE	10	6S	20E	Producing Well	Oil Well	State -
4304715800	Horseshoe Bend 2	NWNE	03	7S	21E	Producing Well	Oil Well	Federal -
4304730034	Fed Miller 1	NWSW	04	7S	22E	Producing Well	Gas Well	Federal -
4304730831	Baser Draw 1-31	NWSW	31	6S	22E	Producing Well	Gas Well	Federal -
4304731304	Coors 14-1-D	NWNW	14	7S	21E	Producing Well	Gas Well	Federal -
4304731467	Federal 34-2-K	NESW	34	6S	21E	Producing Well	Oil Well	Federal -
4304731468	Federal 33-1-I	NESE	33	6S	21E	Producing Well	Oil Well	Federal -
4304731482	Horseshoe Bend St 36-1	SESE	36	6S	21E	Producing Well	Gas Well	State -
4304731588	L C K 30-1-H	SENE	30	6S	21E	Producing Well	Oil Well	FEE -
4304731626	Stirrup State 32-2	SENE	32	6S	21E	Producing Well	Oil Well	State -
4304731643	Cotton Club 1	NENE	31	6S	21E	Producing Well	Oil Well	Federal -
4304731698	Anna Belle 31-2-J	NWSE	31	6S	21E	Producing Well	Oil Well	FEE -
4304731834	Baser Draw 6-1	NWNW	06	7S	22E	Producing Well	Gas Well	Federal -
4304731853	Federal 4-2-F	SENW	04	7S	21E	Producing Well	Oil Well	Federal -
4304732009	Coors Federal 2-10HB	SWNE	10	7S	21E	Producing Well	Gas Well	Federal -
4304732850	Government 12-14	NWSW	14	6S	20E	Producing Well	Oil Well	Federal -
4304733691	Gose Federal 3-18	SWSW	18	6S	21E	Producing Well	Oil Well	Federal -
4304737475	Gusher Fed 16-14-6-20	SESE	14	6S	20E	Producing Well	Oil Well	Federal -
4304737556	Gusher Fed 6-24-6-20	SENW	24	6S	20E	Producing Well	Oil Well	Federal -
4304737557	Federal 2-25-6-20	NWNE	25	6S	20E	Producing Well	Oil Well	Federal -
4304737558	Federal 6-11-6-20	SENW	11	6S	20E	Producing Well	Oil Well	Federal -
4304737559	Federal 5-19-6-21	SWNW	19	6S	21E	Producing Well	Oil Well	Federal -
4304737560	Federal 6-30-6-21	SENW	30	6S	21E	Producing Well	Oil Well	Federal -
4304738400	Huber Fed 26-24	SENE	26	5S	19E	Producing Well	Oil Well	Federal -
4304738403	Gusher Fed 5-13-6-20	SWNW	13	6S	20E	Producing Well	Oil Well	Federal -
4304738996	Federal 8-13-6-20	SENE	13	6S	20E	Producing Well	Oil Well	Federal -
4304738997	Federal 14-13-6-20	SESW	13	6S	20E	Producing Well	Oil Well	Federal -
4304738998	Federal 14-12-6-20	SESW	12	6S	20E	Producing Well	Oil Well	Federal -
4304738999	Federal 2-14-6-20	NWNE	14	6S	20E	Producing Well	Oil Well	Federal -
4304739000	Federal 8-23-6-20	SENE	23	6S	20E	Producing Well	Oil Well	Federal -
4304739076	Federal 8-24-6-20	SENE	24	6S	20E	Producing Well	Oil Well	Federal -
4304739078	Federal 14-24-6-20	SESW	24	6S	20E	Producing Well	Oil Well	Federal -
4304739079	Federal 14-19-6-21	SESW	19	6S	21E	Producing Well	Oil Well	Federal -
4304740487	Federal 16-13-6-20	SESE	13	6S	20E	Producing Well	Oil Well	Federal -
4304750406	Federal 2-26-6-20	NWNE	26	6S	20E	Producing Well	Oil Well	Federal -
4304750407	Federal 4-9-6-20	NWNW	09	6S	20E	Producing Well	Oil Well	Federal -
4304750408	Federal 8-8-6-20	SENE	08	6S	20E	Producing Well	Oil Well	Federal -
4304750414	Federal 2-17-6-20	NWNE	17	6S	20E	Producing Well	Oil Well	Federal -
4304751228	Federal 2-23-6-20	NWNE	23	6S	20E	Producing Well	Oil Well	Federal -
4304751229	Federal 10-23-6-20	NWSE	23	6S	20E	Producing Well	Oil Well	Federal -
4304751232	Federal 2-24-6-20	NWNE	24	6S	20E	Producing Well	Oil Well	Federal -
4304751233	Federal 4-24-6-20	NWNW	24	6S	20E	Producing Well	Oil Well	Federal -
4304751234	Federal 4-25-6-20	NWNW	25	6S	20E	Producing Well	Oil Well	Federal -



4304751278	Federal 16-23-6-20	SESE	23	6S	20E	Producing Well	Oil Well	Federal -
4304751279	Federal 12-24-6-20	NWSW	24	6S	20E	Producing Well	Oil Well	Federal -
4304738499	Knight 16-30	SE SE	30	3S	2E	Producing Well	Oil Well	FEE -
4304738500	Eliason 6-30	SE NW	30	3S	2E	Producing Well	Oil Well	FEE -
4304738501	Knight 14-30	SE SW	30	3S	2E	Producing Well	Oil Well	FEE -
4304740017	ULT 4-31	NW NW	31	3S	2E	Producing Well	Oil Well	FEE -
4304740026	Deep Creek 2-31	NW NE	31	3S	2E	Producing Well	Oil Well	FEE -
4304740032	Deep Creek 8-31	SE NE	31	3S	2E	Producing Well	Oil Well	FEE -
4304740039	ULT 12-29	NW SW	29	3S	2E	Producing Well	Oil Well	FEE -
4304740040	Eliason 12-30	NW SW	30	3S	2E	Producing Well	Oil Well	FEE -
4304752003	Coleman Tribal 11-18-4-2E	NE SW	18	4S	2E	Producing Well	Oil Well	BIA -
4304751488	Coleman Tribal 2-18-4-2E	NW NE	18	4S	2E	Producing Well	Oil Well	BIA -
4304751491	Coleman Tribal 8-18-4-2E	SE NE	18	4S	2E	Producing Well	Oil Well	BIA -
4304751497	Deep Creek Tribal 7-17-4-2E	SW NE	17	4S	2E	Producing Well	Oil Well	BIA -
4304751492	Coleman Tribal 13-18-4-2E	SW SW	18	4S	2E	Producing Well	Oil Well	BIA -
4304751493	Coleman Tribal 14-18-4-2E	SE SW	18	4S	2E	Producing Well	Oil Well	BIA -
4304751494	Coleman Tribal 15-18-4-2E	SW SE	18	4S	2E	Producing Well	Oil Well	BIA -
4304751496	Coleman Tribal 7-8-4-2E	SW NE	8	4S	2E	Producing Well	Oil Well	BIA -
4304751558	Ute Tribal 6-9-4-2E	SE NW	9	4S	2E	Producing Well	Oil Well	BIA -
4304751557	Ute Tribal 10-5-4-2E	NW SE	5	4S	2E	Producing Well	Oil Well	BIA -
4304751556	Ute Tribal 1-5-4-2E	NE NE	5	4S	2E	Producing Well	Oil Well	BIA -
4304751555	Ute Tribal 6-32-3-2E	SE NW	32	4S	2E	Producing Well	Oil Well	BIA -
4304751554	Ute Tribal 10-30-3-2E	NW SE	30	3S	2E	Producing Well	Oil Well	BIA -
4304751489	Coleman Tribal 5-18-4-2E	SW NW	18	4S	2E	Producing Well	Oil Well	BIA -
4304751490	Coleman Tribal 6-18-4-2E	SE NW	18	4S	2E	Producing Well	Oil Well	BIA -
4304751571	ULT 12-6-4-2E	NW SW	6	4S	2E	Producing Well	Oil Well	FEE -
4304751569	ULT 10-6-4-2E	NW SE	6	4S	2E	Producing Well	Oil Well	FEE -
4304751573	ULT 16-6-4-2E	SE SE	6	4S	2E	Producing Well	Oil Well	FEE -
4304751572	ULT 14-6-4-2E	SE SW	6	4S	2E	Producing Well	Oil Well	FEE -
4304751576	ULT 14-31-3-2E	SE SW	31	3S	2E	Producing Well	Oil Well	FEE -
4304751577	ULT 5-36-3-1E	SW NW	36	3S	1E	Producing Well	Oil Well	FEE -
4304751580	ULT 16-36-3-1E	SE SE	36	3S	1E	Producing Well	Oil Well	FEE -
4304751585	ULT 12-31-3-2E	NW SW	31	3S	2E	Producing Well	Oil Well	FEE -
4304751579	ULT 14-36-3-1E	SE SW	36	3S	1E	Producing Well	Oil Well	FEE -
4304751584	ULT 14-25-3-1E	SE SW	25	3S	1E	Producing Well	Oil Well	FEE -
4304751574	ULT 11-5-4-2E	NE SW	5	4S	2E	Producing Well	Oil Well	FEE -
4304751583	Deep Creek 16-25-3-1E	SE SE	25	3S	1E	Producing Well	Oil Well	FEE -
4304751652	ULT 16-26-3-1E	SE SE	26	3S	1E	Producing Well	Oil Well	FEE -
4304751581	Senatore 5-25-3-1E	SW NW	25	3S	1E	Producing Well	Oil Well	FEE -
4304751658	Marsh 14-35-3-1E	SE SW	35	3S	1E	Producing Well	Oil Well	FEE -
4304751755	ULT 9-26-3-1E	NE SE	26	3S	1E	Producing Well	Oil Well	FEE -
4304751651	ULT 7-26-3-1E	SW NE	26	3S	1E	Producing Well	Oil Well	FEE -
4304751659	Szyndrowski 5-27-3-1E	SW NW	27	3S	1E	Producing Well	Oil Well	FEE -
4304751653	ULT 14-26-3-1E	SE SW	26	3S	1E	Producing Well	Oil Well	FEE -
4304751733	Coleman Tribal 5-7-4-2E	SW NW	7	4S	2E	Producing Well	Oil Well	BIA -
4304751657	ULT 5-35-3-1E	SW NW	35	3S	1E	Producing Well	Oil Well	FEE -



4304751660	ULT 7-35-3-1E	SW NE	35	3S	1E	Producing Well	Oil Well	FEE - 96
4304751728	Coleman Tribal 7-7-4-2E	SW NE	7	4S	2E	Producing Well	Oil Well	BIA -
4304751895	ULT 4-36-3-1E	NW NW	36	3S	1E	Producing Well	Oil Well	FEE -
4304751729	Deep Creek Tribal 9-7-4-2E	NE SE	7	4S	2E	Producing Well	Oil Well	BIA -
4304751746	Deep Creek Tribal 13-7-4-2E	SW SW	7	4S	2E	Producing Well	Oil Well	BIA -
4304751998	Coleman Tribal 3-18-4-2E	NE NW	18	4S	2E	Producing Well	Oil Well	BIA -
4304751730	Coleman Tribal 3-8-4-2E	NE NW	8	4S	2E	Producing Well	Oil Well	BIA -
4304752001	Coleman Tribal 1-18-4-2E	NE NE	18	4S	2E	Producing Well	Oil Well	BIA -
4304752004	Coleman Tribal 12-18-4-2E	NW SW	18	4S	2E	Producing Well	Oil Well	BIA -
4304751999	Coleman Tribal 4-18-4-2E	NW NW	18	4S	2E	Producing Well	Oil Well	BIA -
4304752000	Coleman Tribal 7-18-4-2E	SW NE	18	4S	2E	Producing Well	Oil Well	BIA - 100
4304751727	Coleman Tribal 1-8-4-2E	NE NE	8	4S	2E	Producing Well	Oil Well	BIA -
4304751732	Deep Creek Tribal 13-8-4-2E	SW SW	8	4S	2E	Producing Well	Oil Well	BIA -
4304751740-51737	Coleman Tribal 12-17-4-2E	(Lot 6) NW SW	17	4S	2E	Producing Well	Oil Well	BIA -
4304752002	Coleman Tribal 3-7-4-2E	NE NW	7	4S	2E	Producing Well	Oil Well	BIA -
4304751734	Deep Creek Tribal 15-8-4-2E	SW SE	8	4S	2E	Producing Well	Oil Well	BIA -
4304751738	Coleman Tribal 15-17-4-2E	SW SE	17	4S	2E	Producing Well	Oil Well	BIA -
4304751735	Deep Creek Tribal 6-17-4-2E	SE NW	17	4S	2E	Producing Well	Oil Well	BIA -
4304751736	Deep Creek Tribal 8-17-4-2E	SE NE	17	4S	2E	Producing Well	Oil Well	BIA -
4304752047	ULT 11-26-3-1E	NE SW	26	3S	1E	Producing Well	Oil Well	FEE -
4304751575	Deep Creek 13-32-3-2E	SW SW	32	3S	2E	Producing Well	Oil Well	FEE -
4304751664	Deep Creek 11-32-3-2E	NE SW	32	3S	2E	Producing Well	Oil Well	FEE -
4304752119	Ute Energy 11-27-3-1E	NE SW	27	3S	1E	Producing Well	Oil Well	FEE -
4304752120	Ute Energy 15-27-3-1E	SW SE	27	3S	1E	Producing Well	Oil Well	FEE -
4304752118	Ute Energy 10-27-3-1E	NW SE	27	3S	1E	Producing Well	Oil Well	FEE -
4304752122	Ute Energy 14-27-3-1E	SE SW	27	3S	1E	Producing Well	Oil Well	FEE -
4304751654	ULT 5-34-3-1E	SW NW	34	3S	1E	Producing Well	Oil Well	FEE -
4304751655	ULT 7-34-3-1E	SW NE	34	3S	1E	Producing Well	Oil Well	FEE -
4304751656	ULT 16-34-3-1E	SE SE	34	3S	1E	Producing Well	Oil Well	FEE -
4304751898	ULT 2-36-3-1E	NW NE	36	3S	1E	Producing Well	Oil Well	FEE -
4304751650	ULT 5-26-3-1E	SW NW	26	3S	1E	Producing Well	Oil Well	FEE - 24
4304751754	Marsh 13-35-3-1E	SW SW	35	3S	1E	Producing Well	Oil Well	FEE -
4304751897	ULT 6-36-3-1E	SE NW	36	3S	1E	Producing Well	Oil Well	FEE -
4304751891	ULT 12-26-3-1E	NW SW	26	3S	1E	Producing Well	Oil Well	FEE -
4304751887	ULT 13-26-3-1E	SW SW	26	3S	1E	Producing Well	Oil Well	FEE -
4304751875	ULT 10-26-3-1E	NW SE	26	3S	1E	Producing Well	Oil Well	FEE -
4304751918	Gavitte 13-23-3-1E	SW SW	23	3S	1E	Producing Well	Oil Well	FEE -
4304751662	Deep Creek 2-30-3-2E	NW NE	30	3S	2E	Producing Well	Oil Well	FEE -
4304751917	Gavitte 3-26-3-1E	NE NW	26	3S	1E	Producing Well	Oil Well	FEE -
4304751661	ULT 6-31-3-2E	SE NW	31	3S	2E	Producing Well	Oil Well	FEE -
4304751663	Deep Creek 4-30-3-2E	NW NW	30	3S	2E	Producing Well	Oil Well	FEE - 130
4304752121	Ute Energy 6-27-3-1E	SE NW	27	3S	1E	Producing Well	Oil Well	FEE -
4304752117	Ute Energy 7-27-3-1E	SW NE	27	3S	1E	Producing Well	Oil Well	FEE -
4304751920	Deep Creek 13-24-3-1E	SW SW	24	3S	1E	Producing Well	Oil Well	FEE -
4304751756	ULT 1-34-3-1E	NE NE	34	3S	1E	Producing Well	Oil Well	FEE -
4304751888	ULT 15-26-3-1E	SW SE	26	3S	1E	Producing Well	Oil Well	FEE - 25



4304751874	ULT 6-26-3-1E	SE NW	26	3S	1E	Producing Well	Oil Well	FEE -
4304752194	Ute Tribal 4-32-3-2E	NW NW	32	3S	2E	Producing Well	Oil Well	BIA -
4304752193	Ute Tribal 8-30-3-2E	SE NE	30	3S	2E	Producing Well	Oil Well	BIA -
4304752221	Deep Creek Tribal 1-26-3-1E	NE NE	26	3S	1E	Producing Well	Oil Well	BIA -
4304752009	Deep Creek Tribal 11-7-4-2E	NE SW	7	4S	2E	Producing Well	Oil Well	BIA 140
4304752008	Deep Creek Tribal 11-8-4-2E	NE SW	8	4S	2E	Producing Well	Oil Well	BIA -
4304752010	Deep Creek Tribal 15-7-4-2E	SW SE	7	4S	2E	Producing Well	Oil Well	BIA -
4304752041	Gavitte 4-26-3-1E	NW NW	26	3S	1E	Producing Well	Oil Well	FEE -
4304752132	Szyndrowski 8-28-3-1E	SE NE	28	3S	1E	Producing Well	Oil Well	FEE -
4304752128	Szyndrowski 9-28-3-1E	NE SE	28	3S	1E	Producing Well	Oil Well	FEE -
4304752127	Szyndrowski 15-28-3-1E	SW SE	28	3S	1E	Producing Well	Oil Well	FEE -
4304738932	Ouray Valley Fed 3-41	SW SW	3	6S	19E	Producing Well	Oil Well	Federal -
4304751227	Federal 10-22-6-20	NW SE	22	6S	20E	Producing Well	Oil Well	Federal -
4304751230	Federal 12-23-6-20	NW SW	23	6S	20E	Producing Well	Oil Well	Federal -
4304751231	Federal 14-23-6-20	SE SW	23	6S	20E	Producing Well	Oil Well	Federal 150
4304751235	Federal 12-25-6-20	NW SW	25	6S	20E	Producing Well	Oil Well	Federal -
4304752432	Bowers 4-6-4-2E	(Lot 4) NW NW	6	4S	2E	Producing Well	Oil Well	FEE -
4304752131	Szyndrowski 7-28-3-1E	SW NE	28	3S	1E	Producing Well	Oil Well	FEE -
4304752293	ULT 7X-36-3-1E	SW NE	36	3S	1E	Producing Well	Oil Well	FEE -
4304750404	Federal 12-5-6-20	NW SW	5	6S	20E	Producing Well	Oil Well	Federal -
4304752116	Szyndrowski 12-27-3-1E	NW SW	27	3S	1E	Producing Well	Oil Well	FEE -
4304751236	Federal 10-26-6-20	NW SE	26	6S	20E	Producing Well	Oil Well	Federal -
4304752126	Szyndrowski 16-28-3-1E	SE SE	28	3S	1E	Producing Well	Oil Well	FEE -
4304752040	Gavitte 2-26-3-1E	NW NE	26	3S	1E	Producing Well	Oil Well	FEE -
4304751889	Deep Creek 11-25-3-1E	NE SW	25	3S	1E	Producing Well	Oil Well	FEE 160
4304751924	ULT 8-26-3-1E	SE NE	26	3S	1E	Producing Well	Oil Well	FEE -
4304751925	Deep Creek 2-25-3-1E	NW NE	25	3S	1E	Producing Well	Oil Well	FEE -
4304752456	Gavitte 1-27-3-1E	NE NE	27	3S	1E	Producing Well	Oil Well	FEE -
4304752454	Gavitte 2-27-3-1E	NW NE	27	3S	1E	Producing Well	Oil Well	FEE -
4304752457	Szyndrowski 13-27-3-1E	SW SW	0	3S	1E	Producing Well	Oil Well	FEE -
4304751937	Coleman Tribal 1-7-4-2E	NE NE	7	4S	2E	Drilled/WOC	Oil Well	BIA 165
4304751946	Coleman Tribal 5-8-4-2E	SW NW	8	4S	2E	Drilled/WOC	Oil Well	BIA
4304752007	Deep Creek Tribal 9-8-4-2E	NE SE	8	4S	2E	Drilled/WOC	Oil Well	BIA
4304751582	Deep Creek 7-25-3-1E	SW NE	25	3S	1E	Drilled/WOC	Oil Well	FEE
4304751751	ULT 1-36-3-1E	NE NE	36	3S	1E	Drilled/WOC	Oil Well	FEE
4304752130	Szyndrowski 10-28-3-1E	NW SE	28	3S	1E	Drilled/WOC	Oil Well	FEE
4304751901	ULT 13-36-3-1E	SW SW	36	3S	1E	Drilled/WOC	Oil Well	FEE
4304751902	ULT 15-36-3-1E	SW SE	36	3S	1E	Drilled/WOC	Oil Well	FEE
4304751900	ULT 9-36-3-1E	NE SE	36	3S	1E	Drilled/WOC	Oil Well	FEE
4304752458	ULT 2-34-3-1E	NE SW	34	3S	1E	Drilled/WOC	Oil Well	FEE
4304752220	Deep Creek Tribal 16-23-3-1E	SE SE	23	3S	1E	Drilled/WOC	Oil Well	BIA
4304752459	ULT 4-34-3-1E	NW NW	34	3S	1E	Drilled/WOC	Oil Well	FEE
4304752460	ULT 6-34-3-1E	SE NW	34	3S	1E	Drilled/WOC	Oil Well	FEE
4304752461	ULT 8-34-3-1E	SE NE	34	3S	1E	Drilled/WOC	Oil Well	FEE
4304739644	Ouray Valley Federal 1-42-6-19	SE SW	1	6S	19E	Drilled/WOC	Oil Well	Federal
4304739643	Ouray Valley Federal 1-22-6-19	SE NW	1	6S	19E	Drilling	Oil Well	Federal



4304752419	Bowers 1-6-4-2E	(Lot 1) NE NE	6	4S	2E	Spud, not yet drilled	Oil Well	FEE
4304752420	Bowers 2-6-4-2E	(Lot 2) NW NE	6	4S	2E	Spud, not yet drilled	Oil Well	FEE
4304752421	Bowers 3-6-4-2E	(Lot 3) NE NW	6	4S	2E	Spud, not yet drilled	Oil Well	FEE
4304732784	Stirrup St 32-6	NENE	32	6S	21E	Active	Water Injection	State
4304731431	E Gusher 2-1A	SWSW	03	6S	20E	Temporarily -Abandoned	Oil Well	Federal
4304732333	Federal 11-1-M	SWSW	11	6S	20E	Temporarily -Abandoned	Oil Well	Federal
4304739641	Ouray Vly St 36-11-5-19	NWNW	36	5S	19E	Shut-In	Oil Well	State
4304733833	Horseshoe Bend Fed 11-1	NWNE	11	7S	21E	Shut-In	Gas Well	Federal
4304731903	Federal 5-5-H	SENE	05	7S	21E	Shut-In	Oil Well	Federal
4304732709	Government 10-14	NWSE	14	6S	20E	Shut-In	Oil Well	Federal
4304731647	Federal 21-I-P	SESE	21	6S	21E	Shut-In	Gas Well	Federal
4304731693	Federal 4-1-D	NWNW	04	7S	21E	Shut-In	Oil Well	Federal
4304731634	Stirrup Federal 29-3	SESE	29	6S	21E	Shut-In	Oil Well	Federal
4304731623	Federal 33-4-D	NWNW	33	6S	21E	Shut-In	Oil Well	Federal
4304731508	Stirrup Federal 29-2	NWSE	29	6S	21E	Shut-In	Oil Well	Federal
4304730155	Govt 4-14	NWNW	14	6S	20E	Shut-In	Oil Well	Federal
4304715609	Wolf Govt Fed 1	NENE	05	7S	22E	Shut-In	Gas Well	Federal
4304751578	ULT 7-36-3-1E	SW NE	36	3S	1E	P&A	Oil Well	FEE

### **APD APPROVED; NOT SPUDED**

API	Well	Qtr/Qtr	Section	T	R	Well Status	Well Type	Mineral Lease
4304752214	Coleman Tribal 11-17-4-2E	NE SW	17	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752211	Deep Creek Tribal 5-17-4-2E	(Lot 5) SW NW	17	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752212	Coleman Tribal 9-17-4-2E	NE SE	17	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752213	Coleman Tribal 10-17-4-2E	NW SE	17	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752219	Coleman Tribal 13-17-4-2E	SW SW	17	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752215	Coleman Tribal 14-17-4-2E	SE SW	17	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752217	Coleman Tribal 16-17-4-2E	SE SE	17	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752210	Coleman Tribal 10-18-4-2E	NW SE	18	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752223	Deep Creek Tribal 3-5-4-2E	NE NW	5	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752222	Deep Creek Tribal 4-25-3-1E	NW NW	25	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752225	Deep Creek Tribal 4-5-4-2E	(Lot 4) NW NW	5	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752224	Deep Creek Tribal 5-5-4-2E	SW NW	5	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752226	Deep Creek Tribal 6-5-4-2E	SE NW	5	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752218	Coleman Tribal 16-18-4-2E	SW SE	18	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752033	Deep Creek 3-25-3-1E	NE NW	25	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752039	Senatore 12-25-3-1E	NW SW	25	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752412	Deep Creek 1-16-4-2E	NE NE	16	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752410	Deep Creek 13-9-4-2E	SW SW	9	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752411	Deep Creek 15-9-4-2E	SW SE	9	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752413	Deep Creek 3-16-4-2E	NE NW	16	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752409	Deep Creek 9-9-4-2E	NE SE	9	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752427	Bowers 5-6-4-2E	(Lot 5) SW NW	6	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752428	Bowers 6-6-4-2E	SE NW	6	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752430	Bowers 7-6-4-2E	SW NE	6	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE



4304752431	Bowers 8-6-4-2E	SE NE	6	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752422	Deep Creek 11-15-4-2E	NE SW	15	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752424	Deep Creek 13-15-4-2E	SW SW	15	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752425	Deep Creek 15-15-4-2E	SW SE	15	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752426	Deep Creek 16-15-4-2E	SE SE	15	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752416	Deep Creek 5-16-4-2E	SW NW	16	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752418	Deep Creek 7-16-4-2E	SW NE	16	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752414	Deep Creek 7-9-4-2E	SW NE	9	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752415	Deep Creek 11-9-4-2E	NE SW	9	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752423	ULT 13-5-4-2E	SW SW	5	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752417	ULT 14-5-4-2E	SE SW	5	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752123	ULT 12-34-3-1E	NW SW	34	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752124	ULT 3-34-3-1E	NE NW	34	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752125	ULT 10-34-3-1E	NW SE	34	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752043	ULT 10-36-3-1E	NW SE	36	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752044	ULT 12-36-3-1E	NW SW	36	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752042	ULT 3-36-3-1E	NE NW	36	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752048	ULT 6-35-3-1E	SE NW	35	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752045	ULT 8-35-3-1E	SE NE	35	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752030	Deep Creek 10-25-3-1E	NW SE	25	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752032	Deep Creek 1-25-3-1E	NE NE	25	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751919	Deep Creek 14-23-3-1E	SE SW	23	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751921	Deep Creek 14-24-3-1E	SE SW	24	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751922	Deep Creek 15-24-3-1E	SW SE	24	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751923	Deep Creek 16-24-3-1E	SE SE	24	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751926	Deep Creek 6-25-3-1E	SE NW	25	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751930	Deep Creek 8-25-3-1E	SE NE	25	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751894	ULT 3-35-3-1E	NE NW	35	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751896	Marsh 11-35-3-1E	NE SW	35	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751893	ULT 2-35-3-1E	NW NE	35	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751899	ULT 4-35-3-1E	NW NW	35	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751892	Deep Creek 15-25-3-1E	SW SE	25	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751929	Deep Creek 9-25-3-1E	NE SE	25	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751933	ULT 11-36-3-1E	NE SW	36	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751932	ULT 11-6-4-2E	NE SW	6	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751890	ULT 13-25-3-1E	SW SW	25	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751934	ULT 13-6-4-2E	SW SW	6	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751928	ULT 15-6-4-2E	SW SE	6	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751931	ULT 8-36-3-1E	SE NE	36	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751916	ULT 9-6-4-2E	NE SE	6	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751927	Marsh 12-35-3-1E	NW SW	35	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304751935	ULT 1-35-3-1E	NE NE	35	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752451	Deep Creek 12-15-4-2E	NW SW	15	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752453	Deep Creek 12-32-3-2E	NW SW	32	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752452	Deep Creek 14-15-4-2E	SE SW	15	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752455	Deep Creek 14-32-3-2E	SE SW	32	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE



4304752445	Deep Creek 14-9-4-2E	SE SW	9	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752447	Deep Creek 16-9-4-2E	SE SE	9	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752446	Deep Creek 2-16-4-2E	NW NE	16	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752448	Deep Creek 4-16-4-2E	NW NW	16	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752449	Deep Creek 6-16-4-2E	SE NW	16	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752450	Deep Creek 8-16-4-2E	SE NE	16	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752438	Deep Creek 8-9-4-2E	SE NE	9	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752440	Deep Creek 12-9-4-2E	NW SW	9	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752206	Ute Tribal 11-16-4-2E	NE SW	16	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752197	Ute Tribal 11-4-4-2E	NE SW	4	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752207	Ute Tribal 13-16-4-2E	SW SW	16	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752198	Ute Tribal 13-4-4-2E	SW SW	4	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752201	Ute Tribal 14-10-4-2E	SE SW	10	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752199	Ute Tribal 14-4-4-2E	SE SW	4	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752208	Ute Tribal 15-16-4-2E	SW SE	16	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752195	Ute Tribal 15-32-3-2E	SW SE	32	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752196	Ute Tribal 16-5-4-2E	SE SE	5	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752202	Ute Tribal 2-15-4-2E	NW NE	15	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752200	Ute Tribal 4-9-4-2E	Lot 1 NW NW	9	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752203	Ute Tribal 7-15-4-2E	SW NE	15	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752204	Ute Tribal 8-15-4-2E	SE NE	15	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752463	ULT 11-34-3-1E	NE SW	34	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752464	ULT 13-34-3-1E	SW SW	34	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752465	ULT 14-34-3-1E	SE SW	34	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752466	ULT 15-34-3-1E	SW SE	34	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752462	ULT 9-34-3-1E	NE SE	34	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752205	Ute Tribal 9-16-4-2E	NE SE	16	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752439	Deep Creek 10-9-4-2E	NW SE	9	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752216	Coleman Tribal 15X-18D-4-2E	SW SE	18	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752888	Womack 4-7-3-1E	NW NW	7	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752893	Kendall 12-7-3-1E	NW SW	7	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752911	Kendall 13-7-3-1E	SW SW	7	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752900	Kendall 15-7-3-1E	SW SE	7	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752887	Womack 5-8-3-1E	SW NW	8	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752880	Womack 7-8-3-1E	SW NE	8	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752901	Kendall 9-8-3-1E	NE SE	8	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752894	Kendall 11-8-3-1E	NE SW	8	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752897	Kendall 13-8-3-1E	SW SW	8	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752898	Kendall 16-8-3-1E	SE SE	8	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752892	Kendall 5-9-3-1E	SW NW	9	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752899	Kendall 6-9-3-1E	SE NW	9	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752896	Kendall 7-9-3-1E	SW NE	9	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752882	Womack 11-9-3-1E	NE SW	9	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752884	Womack 13-9-3-1E	SW SW	9	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752885	Womack 3-16-3-1E	NE NW	16	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752886	Womack 4-16-3-1E	NW NW	16	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE



4304752889	Womack 5-16-3-1E	SW NW	16	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752890	Womack 6-16-3-1E	SE NW	16	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752895	Kendall 4-17-3-1E	NW NW	17	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752891	Kendall 5-17-3-1E	SW NW	17	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752883	Kendall 11-17-3-1E	NE SW	17	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752881	Kendall 13-17-3-1E	SW SW	17	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752966	Merritt 2-18-3-1E	NW NE	18	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752967	Merritt 3-18-3-1E	NE NW	18	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752992	Merritt 7-18-3-1E	SW NE	18	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752508	Gusher Fed 11-1-6-20E	NE SW	1	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752503	Gusher Fed 1-11-6-20E	NE NE	11	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752504	Gusher Fed 11-22-6-20E	NE SW	22	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752507	Gusher Fed 12-15-6-20E	NW SW	15	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752509	Gusher Fed 1-27-6-20E	NE NE	27	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752511	Gusher Fed 1-28-6-20E	NE NE	28	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752497	Gusher Fed 14-3-6-20E	SE SW	3	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752506	Gusher Fed 16-26-6-20E	SE SE	26	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752505	Gusher Fed 3-21-6-20E	NE NW	21	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752500	Gusher Fed 6-25-6-20E	SE NW	25	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752501	Gusher Fed 8-25-6-20E	SE NE	25	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752510	Gusher Fed 9-27-6-20E	NE SE	27	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752499	Gusher Fed 9-3-6-20E	NW SE	3	6S	20E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752502	Horseshoe Bend Fed 11-29-6-21E	NE SW	29	6S	21E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752498	Horseshoe Bend Fed 14-28-6-21E	SE SW	28	6S	21E	Approved Permit (APD); not yet spudded	Oil Well	Federal
4304752472	Coleman Tribal 2-7-4-2E	NW NE	7	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752473	Coleman Tribal 4-7-4-2E	NW NW	7	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752474	Coleman Tribal 6-7-4-2E	SE NW	7	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752475	Coleman Tribal 8-7-4-2E	SE NE	7	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752480	Coleman Tribal 2-8-4-2E	NW NE	8	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752481	Coleman Tribal 4-8-4-2E	NW NW	8	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752484	Coleman Tribal 6-8-4-2E	SE NW	8	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752485	Coleman Tribal 8-8-4-2E	SE NE	8	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752483	Deep Creek Tribal 12-8-4-2E	NW SW	8	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752476	Deep Creek Tribal 10-7-4-2E	NW SE	7	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752477	Deep Creek Tribal 12-7-4-2E	NW SW	7	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752478	Deep Creek Tribal 14-7-4-2E	SE SW	7	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752479	Deep Creek Tribal 16-7-4-2E	SE SE	7	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752487	Deep Creek Tribal 10-8-4-2E	NW SE	8	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752482	Deep Creek Tribal 14-8-4-2E	SE SW	8	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752486	Deep Creek Tribal 16-8-4-2E	SE SE	8	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304752975	Deep Creek 11-19-3-2E	NE SW	19	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752978	Deep Creek 12-19-3-2E	Lot 3 (NW SW)	19	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752979	Deep Creek 13-19-3-2E	Lot 4 (SW SW)	19	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752969	Deep Creek 14-19-3-2E	SE SW	19	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752968	Deep Creek 11-20-3-2E	NE SW	20	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752973	Deep Creek 13-20-3-2E	SW SW	20	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE



4304752987	Gavitt 15-23-3-1E	SW SE	23	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752964	ULT 3-29-3-2E	NE NW	29	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752962	ULT 4-29-3-2E	NW NW	29	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752961	ULT 5-29-3-2E	SW NW	29	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752955	ULT 6-29-3-2E	NE NW	29	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752983	Deep Creek 10-29-3-2E	NW SE	29	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752959	ULT 11-29-3-2E	NE SW	29	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752960	ULT 13-29-3-2E	SW SW	29	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752963	ULT 14-29-3-2E	Lot 2 (SE SW)	29	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752975	Deep Creek 15-29-3-2E	SW SE	29	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752974	Deep Creek 16-29-3-2E	SE SE	29	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752972	Deep Creek 1-30-3-2E -	NE NE	30	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752970	Deep Creek 5-30-3-2E	Lot 2 (SW NW)	30	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752971	Deep Creek 11-30-3-2E	NE SW	30	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752988	Knight 13-30-3-2E	Lot 4 (SW SW)	30	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752989	Knight 15-30-3-2E	SW SE	30	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752981	Deep Creek 1-31-3-2E	NE NE	31	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752954	ULT 3-31-3-2E	NE NW	31	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752956	ULT 5-31-3-2E	Lot 2 (SW NW)	31	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752984	Deep Creek 7-31-3-2E	SW NE	31	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752957	ULT 11-31-3-2E	NE SW	31	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752958	ULT 13-31-3-2E	Lot 4 (SW SW)	31	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752986	Ute Energy 15-31-3-2E	SW SE	31	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752985	Ute Energy 16-31-3-2E	SE SE	31	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752980	Deep Creek 12-20-3-2E	NW SW	20	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752977	Deep Creek 14-20-3-2E	SE SW	20	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304752982	Deep Creek 3-30-3-2E	NE NW	30	3S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753018	Deep Creek 9-15-4-2E	NE SE	15	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753019	Deep Creek 10-15-4-2E	NW SE	15	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753014	Lamb 3-15-4-2E	NE NW	15	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753015	Lamb 4-15-4-2E	NW NW	15	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753016	Lamb 5-15-4-2E	SW NW	15	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753017	Lamb 6-15-4-2E	SE NW	15	4S	2E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753089	Womack 1-7-3-1E	NE NE	7	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753093	Womack 2-7-3-1E	NW NE	7	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753094	Womack 3-7-3-1E	NE NW	7	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753088	Kendall 14-7-3-1E	SE SW	7	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753104	Womack 1-8-3-1E	NE NE	8	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753105	Womack 2-8-3-1E	NW NE	8	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753106	Womack 3-8-3-1E	NE NW	8	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753107	Womack 4-8-3-1E	NW NW	8	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753108	Womack 6-8-3-1E	SE NW	8	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753109	Womack 8-8-3-1E	SE NE	8	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753110	Kendall 10-8-3-1E	NW SE	8	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753111	Kendall 12-8-3-1E	NW SW	8	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753112	Kendall 14-8-3-1E	SE SW	8	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE



4304753115	Kendall 15-8-3-1E	SW SE	8	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753114	Kendall 2-9-3-1E	NW NE	9	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753100	Kendall 12-9-3-1E	NW SW	9	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753116	Kettle 3-10-3-1E	NE NW	10	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753117	Kettle 6-10-3-1E	SE NW	10	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753118	Kettle 11-10-3-1E	NE SW	10	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753119	Kettle 12-10-3-1E	NW SW	10	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753099	Kendall 3-17-3-1E	NE NW	17	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753098	Kendall 6-17-3-1E	SE NW	17	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753101	Kendall 12-17-3-1E	NW SW	17	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753120	Kendall 14-17-3-1E	NE SW	17	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753097	Kendall 1-18-3-1E	NE NE	18	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753096	Kendall 8-18-3-1E	SE NE	18	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753095	Kendall 9-18-3-1E	NE SE	18	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753091	Kendall 10-18-3-1E	NW SE	18	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753090	Kendall 15-18-3-1E	SW SE	18	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753092	Kendall 16-18-3-1E	SE SE	18	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	FEE
4304753146	Kendall Tribal 9-7-3-1E	NE SE	7	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753147	Kendall Tribal 10-7-3-1E	NW SE	7	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753153	Kendall Tribal 11-7-3-1E	NE SW	7	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753152	Kendall Tribal 16-7-3-1E	SE SE	7	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753151	Kendall Tribal 4-18-3-1E	NW NW	18	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753150	Kendall Tribal 5-18-3-1E	SW NW	18	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753149	Kendall Tribal 11-18-3-1E	NE SW	18	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753148	Kendall Tribal 12-18-3-1E	NW SW	18	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753145	Kendall Tribal 13-18-3-1E	SW SW	18	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753142	Kendall Tribal 14-18-3-1E	SE SW	18	3S	1E	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753144	Kendall Tribal 1-13-3-1W	NE NE	13	3S	1W	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753143	Kendall Tribal 9-13-3-1W	NE SE	13	3S	1W	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753144	Kendall Tribal 1-13-3-1W	NE NE	13	3S	1W	Approved Permit (APD); not yet spudded	Oil Well	BIA
4304753143	Kendall Tribal 9-13-3-1W	NE SE	13	3S	1W	Approved Permit (APD); not yet spudded	Oil Well	BIA



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> CRESCENT POINT ENERGY U.S. CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 555 17th Street, Suite 750 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> ULT 4-31
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0663 FNL 0664 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 31 Township: 03.0S Range: 02.0E Meridian: U		<b>9. API NUMBER:</b> 43047400170000
<b>PHONE NUMBER:</b> 720 880-3621 Ext		<b>9. FIELD and POOL or WILDCAT:</b> RANLETT
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>5/10/2013</b>  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER         </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION         </div> </div>	
OTHER: <input type="text" value="begin injection"/>		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  <div style="display: flex; justify-content: space-between;"> <div style="width: 65%;">           Per the DOGM-approved Underground Injection Control Permit issued 12/6/2012, Crescent Point Energy U.S. Corp will start injecting on May 10, 2013.         </div> <div style="width: 30%; text-align: right;"> <b>Accepted by the Utah Division of Oil, Gas and Mining</b>   <b>Date:</b> May 23, 2013  <b>By:</b> </div> </div>		
<b>NAME (PLEASE PRINT)</b> Lori Browne	<b>PHONE NUMBER</b> 720 420-3246	<b>TITLE</b> Regulatory Specialist
<b>SIGNATURE</b> N/A		<b>DATE</b> 5/10/2013



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> CRESCENT POINT ENERGY U.S. CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 555 17th Street, Suite 750 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> ULT 4-31
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0663 FNL 0664 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 31 Township: 03.0S Range: 02.0E Meridian: U		<b>9. API NUMBER:</b> 43047400170000
<b>PHONE NUMBER:</b> 720 880-3621 Ext		<b>9. FIELD and POOL or WILDCAT:</b> RANLETT
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/10/2013	<input checked="" type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	OTHER: <input type="text" value="begin injection"/>	
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  Per the DOGM-approved Underground Injection Control Permit issued 12/06/2012, Crescent Point Energy U.S. Corp began injecting on May 10, 2013.		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          August 22, 2013</b>		
<b>NAME (PLEASE PRINT)</b> Lori Browne	<b>PHONE NUMBER</b> 720 420-3246	<b>TITLE</b> Regulatory Specialist
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/7/2013	





GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT


**Cause No. UIC-393.1**

**Operator:** Ute Energy Upstream Holdings LLC  
**Well:** ULT 4-31  
**Location:** Section 31, Township 3 South, Range 2 East (USM)  
**County:** Uintah  
**API No.:** 43-047-40017  
**Well Type:** Salt Water Disposal Well

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on July 26, 2012.
2. Maximum Allowable Surface Pressure: 1,000 psi.
3. Corresponding Injection Rate: As limited by pressure.
4. Injection Interval: Green River Formation (4,242' – 4,949').
5. A Monthly Injection Report shall be filed as required by R649-8-3.
6. A pressure gauge shall be installed to measure pressure in the casing-tubing annulus. This pressure is to be monitored and reported on the Monthly Injection Report.

Approved by:

  
John Rogers  
Associate Director

12-6-2012  
Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Uintah County  
Ute Tribe  
Well File  
N:\O&G Reviewed Docs\ChronFile\UIC





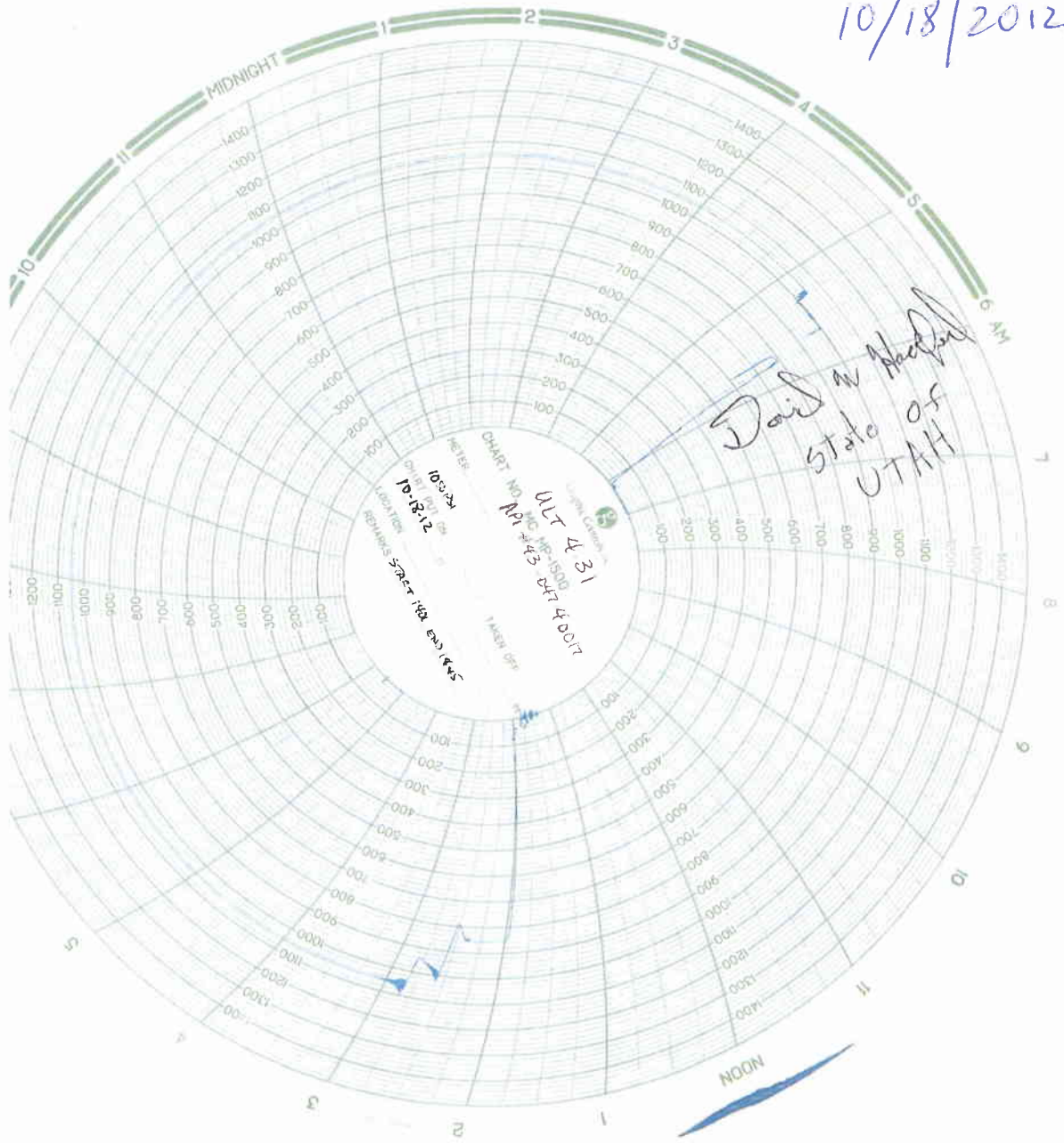
11/29/2012



															<div>Ute Energy</div>																								
DESCRIPTION															DEPTH					WELLBORE					WELL HISTORY														
20" Conductor															58'																								
9-5/8" Surface Casing (12-1/4" Hole)															754'										9-5/8" Surface Casing Cementing										Cmt Top				
23 jts 9-5/8" 36# J-55 STC																									Lead: 375 sxs 92 bbl/s										Surface				
2-7/8" 6.5# J-55 8rd EUE Tubing Detail as of:																																							
Item Description Length Depth																																							
RKB																																							
5 Tubing Spool to Ground Level Adjustment																																							
4 Tubing Spool to Original RKB Adjustment																																							
3 WHI 2-1/16" x 5M Tapered Tubing Hanger															0.00'																								
2 136 jts 3-1/2" 9.3# -J-55															4,230.00'					0.00'																			
1 Packer															4,230.00'																								
															4,230.00'																								
															4,230.00'																								
															4,230.00'																								
															4,230.00'																								
136 jts End of Tubing															4,230.00'					4,230.00'																			
CBL															660'																								
															PKR					4,230'																			
															4,248'					4,253'																			
															4,260'					4,265'																			
															4,270'					4,275'																			
															4,280'					4,310'																			
															4,315'					4,340'																			
															4,350'					4,375'																			
															4,380'					4,390'																			
															4,395'					4,410'																			
CMT															4,430 - 4,530'																								



10/18/2012





## Mark Reinbold - Re: MAIP Documentation

**From:** Dustin Doucet  
**To:** Mark Reinbold  
**Date:** 10/4/2012 3:37 PM  
**Subject:** Re: MAIP Documentation

Looks o.k. to me.

>>> Chris Bairrington <CBairrington@uteenergy.com> 10/4/2012 2:43 PM >>>  
Mark,

Please find attached the MAIP documentation for the ULT 4-31 SWD. If you have any questions please feel free to contact me.

Regards,

Chris

---

**Chris R. Bairrington** | Direct: 720.420.3238 | Cell: 303.877.5239 | Fax: 720.420.3202  
Sr Operations Engineer - 1875 Lawrence Street, Denver, CO 80202  
[cbairrington@Uteenergy.com](mailto:cbairrington@Uteenergy.com)



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Ute Energy, LLC. <http://www.uteenergy.com>





# ULT 4-31

## SWD Max Allowable Injection Pressure

Section 31-T3S-R1E

Uintah County, Utah

API # 43-047-40017

September 21, 2012

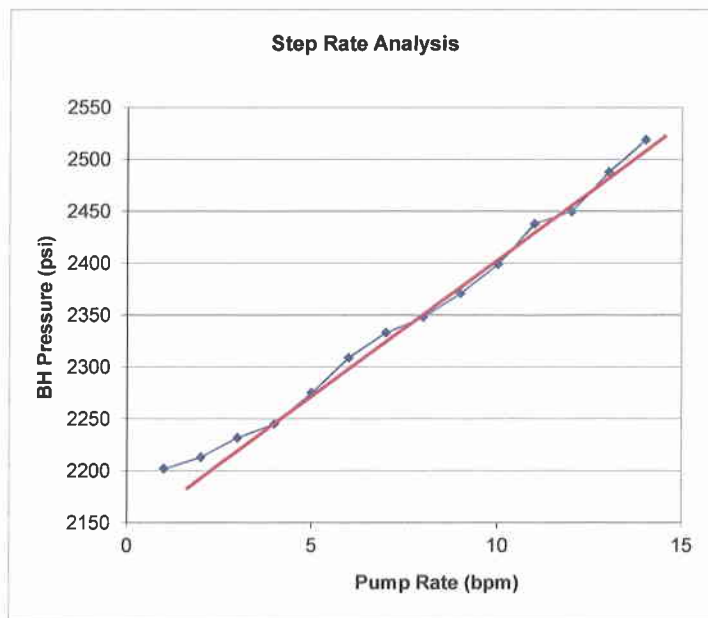
### Max Allowable Injection Pressure Analysis

#### Summary:

A step rate test was performed on the ULT 4-31 SWD on September 4, 2012. This test was performed down 5.5" 17ppf csg, with no tbg in the wellbore. After analysis of the data it is determined that the pumping pressure never exceeded frac gradient. The following data was obtained during the step rate test.

**Table 1: Step Rate Analysis (Pumped down 5.5" 17ppf csg)**

Rate	WH Pressure	Hydrostatic	Friction	BH Pressure
1.1	289	1915	2	2202
2	302	1915	4	2213
3.2	327	1915	10	2232
4	345	1915	15	2245
5	383	1915	23	2275
6	425	1915	31	2309
7.2	460	1915	42	2333
8.1	485	1915	52	2348
9.1	520	1915	64	2371
10.1	560	1915	76	2399
11	613	1915	90	2438
11.9	638	1915	103	2450
13	695	1915	122	2488
13.4	733	1915	129	2519

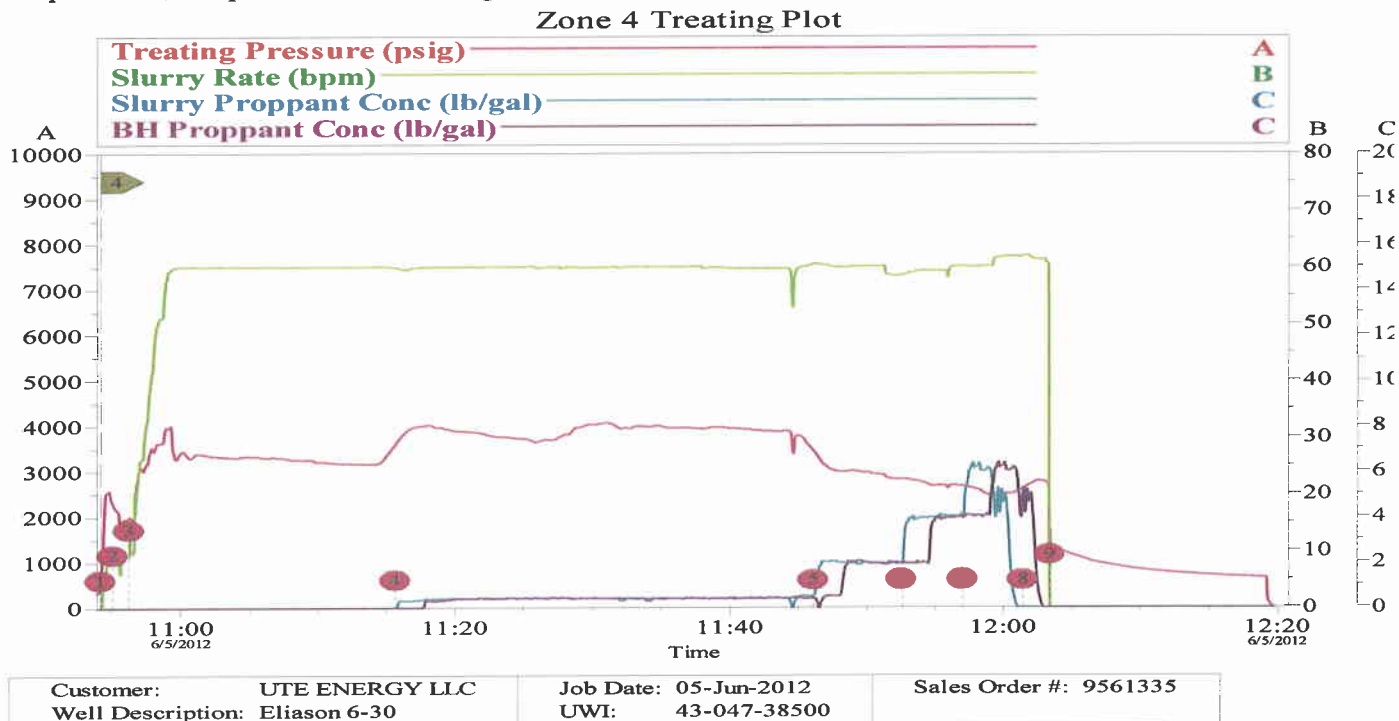




### Offset Well Data:

The Eliason 6-30 was recently frac'd in a similar zone. The stimulated zone was ~500' deeper than the injection zone, but is representative of the expected frac gradient we would see in the ULT 4-31 SWD.

The Eliason 6-30 was perf'd and frac'd from 4,905' - 5,093' (Mid Perf 4,999'). A conservative ISIP pick of 1,713 psi results in a frac gradient of 0.77 psi/ft. (See below chart)



### **Max Allowable Injection Pressure (MAIP) Calculation:**

Utilizing the above FG of 0.77 psi/ft on the ULT 4-31SWD yields a MAIP of 1,471psi.

The UTL 4-31 SWD is perforated between 4,248' -4,410' (4,329' mid perf). The following assumptions have been used to determine the max allowable injection pressure.

1.) **Frictionless Max Surface Pressure** = (Frac Gradient – Fluid Gradient)\*Mid Perf  
 (.77-.43)\*4,329' = **1,471 psi**



**MAIP:**

Due to the step rate test not reaching break over at up to 13 BPM injection rate, coupled with the offset Eliason 6-30 frac gradient of 0.77 psi/ft, Ute Energy LLC is requesting a conservative **MAIP of 1,000 psi.** This requested injection pressure was picked as it would be under the allowable pressure if the step rate test successfully showed the true frac gradient of the injection formation.

One additional safety factors not built into the requested MAIP above is the frictional backpressure seen by pumping down 3.5" tbg that will be utilized in the ULT 4-31 SWD wellbore. The current pump is set up with an output of 264 BPM at 1080psi. At 264 GPM the frictional pressure that will be seen at surface is ~375psi. Coupling the max pressure seen on formation during the step rate test pumped down the 5.5" csg would result in a MAIP of ~1,000psi. As noted above the step rate test had a max of 604psi formation pressure & never reached frac pressure, therefore this is a conservative pick for a maximum pressure limit.

If there are any concerns for this request please feel free to contact Chris Bairrington @ 720-420-3238.





GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

July 26, 2012

Mr. Joseph N. Jagers, IV  
Ute Energy Upstream Holdings LLC  
1875 Lawrence Street, Suite 200  
Denver, CO 80202

Subject: Randlett Field Well: ULT 4-31, Section 31, Township 3 South, Range 2 East, USM, Uintah County, Utah, API # 43-047-40017

Dear Mr. Jagers:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Ute Energy Upstream Holdings LLC.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.
4. In the injection well, ULT 4-31 (43-047-40017), pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. Injection shall be restricted to the Green River Formation, between depths of 4,242 and 4,949 feet. A water sample is needed from the proposed injection interval in the Green River Formation in the ULT 4-31 SWD well. At that time it will be necessary to establish compatibility between the water sample from the proposed injection interval and samples of the proposed injection fluids.
6. A step-rate test will be required during recompletion in order to determine the fracture parting pressure through the proposed injection interval.





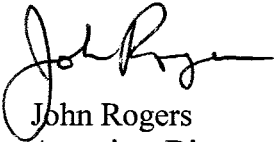
Page 2

Ute Energy Upstream Holdings LLC

July 26, 2012

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

A handwritten signature in black ink, appearing to read "John Rogers".

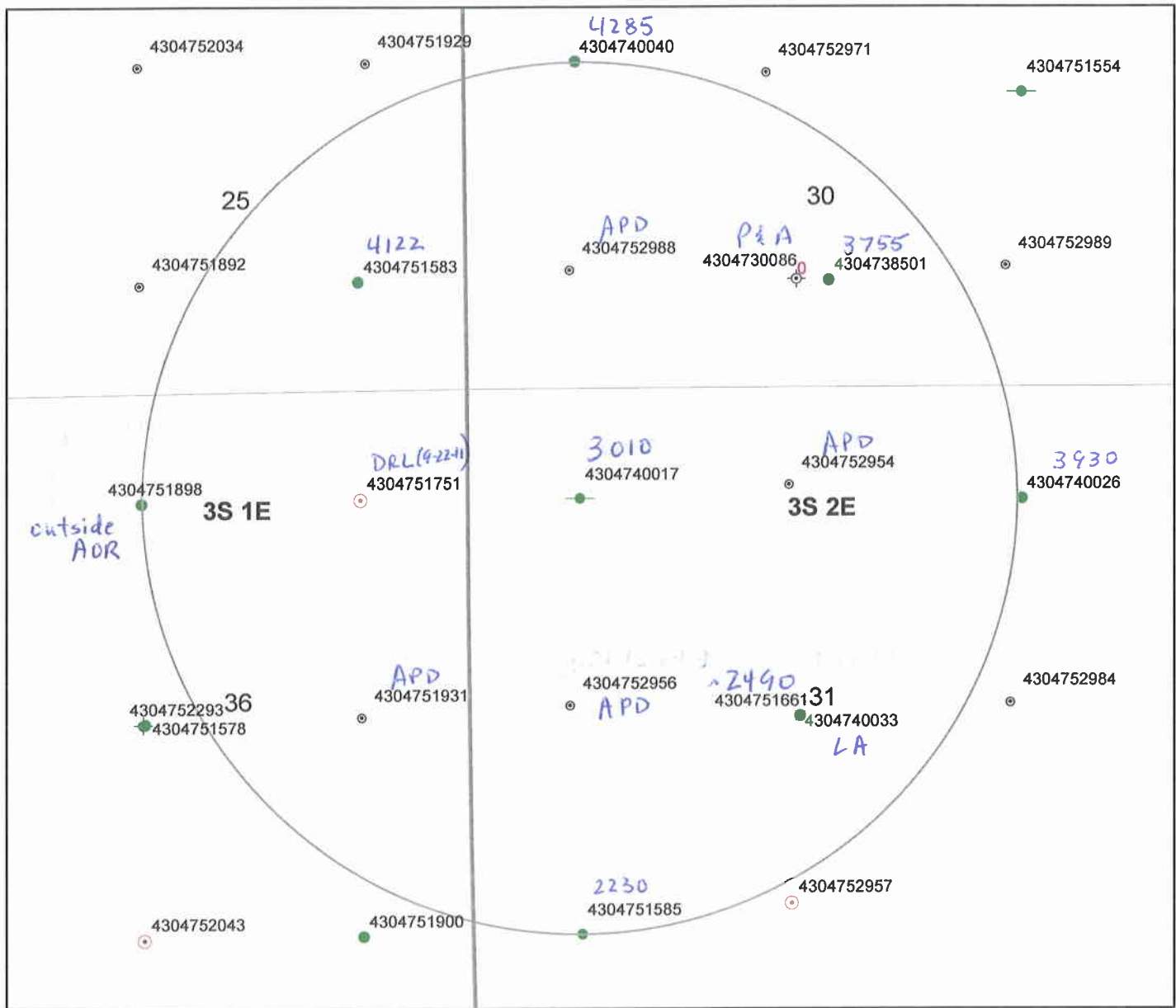
John Rogers  
Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
    Uintah County  
    Ute Tribe  
    Well File

N:\O&G Permits\Injection Permits\Ute Energy Upstream Holdings\ULT 4-31 SWD\Conversion approval





### Legend

#### Oil & Gas Well Type

- APD-Approved Permit
- ⊙ DRL-Spudded (Drilling Commenced)
- ⊗ GIW-Gas Injection Well
- <sub>GS</sub> GSW-Gas Storage Well
- × LA-Location Abandoned
- LOC-New Location Well
- OPS-Drilling Operations Suspended
- ⊙ PA-Pugged & Abandoned
- ⊙ PGW-Producing Gas Well
- POW-Producing Oil Well
- ▲ RET-Returned APD
- ⊙ SGW-Shut-in Gas Well
- SOW-Shut-in Oil Well
- ⊗ TA-Temp Abandoned
- TW-Test Well
- ⊗ WDW-Water Disposal Well
- ▲ WIW-Water Injection Well
- WSW-Water Supply Well

### Cement Bond Tops ULT 4-31 API #43-047-40017 UIC-393.1



- 4585 Depth to top of suitable cement bond
- Well Bottom Hole Location
- Oil & Gas Wells Hole Directional Path
- Wells-CbtltopsMaster 1-31-13
- DNR Oil Gas Wells Buffer
- County Boundaries
- PLSS Sections
- PLSS Townships



DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT STATEMENT OF BASIS**

**Applicant:** Ute Energy Upstream Holdings, LLC      **Well:** ULT 4-31

**Location:** Sec 31 T3S, R2E, Uintah Co., UT      **API:** 43-047-40017

**Ownership Issues:**

The well is located on land privately owned by Frank D. Carpenter, Trustee, et al. Mineral rights are privately owned by the same. An affidavit of notification of operators, mineral owners, and surface owners located within a one-half (1/2) mile radius Area of Review (AOR) has been provided. The AOR map indicates that all surface and mineral ownership within the AOR is private.

**Well Integrity:**

**Description of the Casings and Cement:**

**CASING PROGRAM**

<b><u>String Type</u></b>	<b><u>Hole Size</u></b>	<b><u>Depth</u></b>	<b><u>Feet</u></b>	<b><u>Casing Diameter</u></b>	<b><u>Weight</u></b>	<b><u>Grade</u></b>
Conductor	30"	58'	58'	20"	unknown	unknown
Surface	12.25"	754'	754'	9.625"	36#	J-55 STC
Production	7.875"	6,900'	6,900'	5.5"	17#	N-80/P-110



## CEMENT PROGRAM

<u>String Type</u>	<u>DV Depth</u>	<u>Stage Lead/Tail</u>	<u>Cement Bottom</u>	<u>Cement Top</u>	<u>Number Sacks</u>	<u>Cement Type</u>	<u>Cement Yield</u>	<u>Cement Weight</u>
Conductor			58'	Surface	?	?	?	?
Surface		Lead	754'	Surface	375	Class G	?	?
Production		Lead Tail	6900'	660'	375 340	Hi-Fill Extenda	?	?

Ute Energy Upstream Holdings, LLC proposes to inject produced water from oil and gas production from the Wasatch and Green River Formations in the Uinta Basin. A current list of sources, consisting of 56 wells, is included with the UIC Permit Application. Ute Energy will submit an annual list of sources for the prior year with the annual fluid injection report and fluid analyses.

A cement bond log demonstrates adequate cement bond in this well up to about 3010 feet depth. The proposed injection interval is 4242 to 4949 feet, in the upper Green River Formation. Schlumberger ran the cement bond log at the time of the well completion in August 2008. The cement bond log appears to demonstrate somewhat questionable cement bond above 4442 feet depth, which is 200 feet below the proposed injection top of 4242 feet. In addition to the cement bond log (CBL) track at normal scale (0-100 mV), there are CBL expanded scale amplitude (0-10 mV), gamma ray (GR), transit time (TT), casing collar locator (CCL), HGNS deviation (GDEV), and variable density (VDL) tracks. The expected free pipe amplitude for 5.5-inch diameter steel casing is 72 mV. The CBL in fact shows a maximum of approximately 72 mV. A value of 72 mV was used to represent 0% bond, and 2 mV was used for 100% bond. This yields a value of about 4 mV for 80% bond. Using the maximum value of 4 mV on the bond log for 80% bond, there is little cement of minimum 80% bond above a depth of 4490 feet. However, there appears to be adequate thickness of light cement of suitable bond quality between



the depths of 4242 feet (the proposed injection top) and 3944 feet. Consequently, based on interpretation of the cement bond log, there appears to be adequate cement bond to protect groundwater aquifers above the injection zone. However, in order to provide an additional safeguard, DOGM requires that, as a condition of conversion approval, Ute Energy monitor pressure between the surface casing and the production casing on a regular basis. Any observed pressure changes must be reported to DOGM immediately.

Besides the proposed injection well, there are four other producing oil wells and one plugged & abandoned well within the 0.5 mile diameter AOR. All wells have evidence of adequate casing and cement for the proposed injection interval.

Update: A Mechanical Integrity Test (MIT) was performed on 10/18/2012 and was witnessed by David Hackford of DOGM. The test was conducted for 30 minutes, with an initial annulus pressure of 1000 psi and final pressure of 1000 psi. The result was acceptable.

The proposed average injection rate is 8000 barrels per day, but the maximum allowed injection pressure will limit it.

#### **Ground Water Protection:**

A search of Division of Water Rights records shows no water wells within a 10,000 radius of the ULT 4-31 well. The Uinta Formation is the surface formation at the site. The formation consists of interbedded shale and sandstone. The Uinta Formation is not expected to be a significant source of groundwater in this area. There are no springs, seeps, or flowing streams in the immediate vicinity. There are intermittent eastward flowing drainages approximately 1/3 mile south, 2/3 mile north, and 1/2 mile east of the ULT 4-31 well. The Duchesne River is about two miles to the north.



As interpreted from DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline groundwater (3000-10,000 mg/l TDS) is estimated at a depth of approximately 2000 feet in the ULT 4-31 well. This is about 2200 feet above the proposed injection interval of 4242 to 4949 feet, in the upper portion of the Green River Formation.

The maximum allowable injection pressure (MAIP) will be determined by a step-rate test during recompletion, which will determine the fracture parting pressure of the Green River Formation through the proposed injection interval. Based on the results of the step-rate test, a final maximum pressure, which is below the fracture parting pressure, will be requested. This will ensure that injection will not initiate any new fractures or propagate existing fractures through the overlying strata or confining interval, which could enable the injected fluid or formation fluid to enter into fresh water formations. Any groundwater present should be adequately protected.

Update: A step-rate test (SRT) was conducted on 9/04/2012. The injection test was performed down 5.5" 17# N-80 production casing with no tubing in the wellbore. The SRT results did not reach break over at an injection rate up to 13 BPM. Based on a test performed in the Eliason 6-30 well (43-047-38500), located approximately 0.8 mile north-northeast of the ULT 4-31 well, Ute Energy estimated a fracture gradient (FG) of 0.77 psi/ft for the ULT 4-31 well. Utilizing that FG, Ute calculated a maximum allowable injection pressure (MAIP) of 1471 psi for the injection depth in the ULT 4-31 well. Due to the fact that the SRT did not reach break over, Ute requested a conservative MAIP of 1000 psi. The requested injection pressure was purposely chosen to be under the allowable pressure if the SRT successfully showed the true FG of the injection formation. Based on consultation with DOGM engineer Dustin Doucet, it was determined that 1000 psi is an appropriate MAIP, providing an adequate margin of safety.



In the ULT 4-31 well the Green River Formation extends from about 3,895' to TD at 6,900' depth. The formation consists of a complex mixture of clastics, carbonates, and organic rich claystones deposited in alluvial to lacustrine environments. The proposed injection interval is within the Birds Nest zone in the upper portion of the Green River Formation. The proposed injection zone is between 4,242' and 4,949' depth, consisting of porous and permeable sandstone interbedded with lower permeability siltstone, claystone, and shale. The average thickness of the proposed injection zone in the area of the ULT 4-31 well is 725 feet. The upper confining zone is a regionally continuous interval consisting of low porosity siltstones interbedded with low permeability shales and claystones. The average thickness of the upper confining zone in the area of the ULT 4-31 well is 347 feet. A structure map prepared by Ute Energy on the base of the upper confining layer shows a dip of about 200 feet/mile to the north. The lower confining zone consists of interbedded low porosity and permeability calcareous shale and siltstone. The average thickness of the lower confining zone is about 136 feet in the area of the ULT 4-31 well. A structure map on top of the lower confining layer shows a northward dip of about 250 feet/mile. Cross-sections prepared by Ute Energy show the correlations of the injection zone, as well as the confining zones. No faults are indicated in the area.

Ute Energy proposes the injection of produced waters from the Green River and Wasatch Formations in the Randlett Field into the proposed injection interval in the upper Green River Formation in the ULT 4-31 SWD well. Pursuant to review of the application and documentation submitted by Ute Energy, it appears that the injection should cause no diminution of the quality of the already generally poor quality water in the injection zone. After injection ceases, increased pressure around the wellbore will abate over time. No long term negative impacts to surface or ground water are anticipated as a result of the proposed injection operation.



#### **Oil/Gas & Other Mineral Resources Protection:**

The ULT 4-31 well is in the Randlett Field. Producing wells in the vicinity have been drilled between 2007 and 2012. Production is between the Douglas Creek in the Middle Green River and the Lower Green River Formation. Depths of production are generally between 6200 and 8400 feet.

No other known potentially producible mineral or hydrocarbon zones are reported in the area. The well records of the Division document that there are four other producing wells within the 0.5 mile radius of the AOR.

#### **Bonding:**

Effective 11/30/2012, Crescent Point Energy U.S. Corp., 555 17<sup>th</sup> Street, Suite 750, Denver, CO 80202, took over the operations of Ute Energy Upstream Holdings LLC. As of 1/15/2013, Crescent Point Energy has a \$120,000 blanket surety bond in place through Fidelity and Deposit Company of Maryland, which ensures plugging of this well.

#### **Actions Taken and Further Approvals Needed:**

Notice of this application was published in the Salt Lake Tribune and the Uintah Basin Standard. In addition, copies of the notice were provided to the Environmental Protection Agency (EPA), Region VIII, Uintah County Planning, and the Operator.

A properly designed and constructed water disposal well, combined with periodic mechanical integrity tests, poses no threat to fresh or useable groundwater supplies.



The Division staff recommends approval of this application contingent upon no additional or unforeseen information being presented that is relevant to this analysis or modifies the data presented herein.

Reviewer(s): Mark L. Reinbold

Date: 6/29/2012 (updated 8/6/2013)



**UIC INJECTION PERMIT APPLICATION ANALYSIS FORM**  
**WELL NAME: ULT 4-31 SWD, Randlett Field API #: 43-047-40017**

R649-5-2. Requirements For Class II Injection Wells Including Water Disposal, Storage And Enhanced Recovery Wells.	Completed Items, Needed Items, & Comments
<p>1. Injection wells shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.</p> <p>2. The application for an injection well shall include a properly completed UIC Form 1 and the following:</p> <p>2.1. A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed well, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.</p> <p>2.2. Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper, and porosity.</p> <p>2.3. A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.</p> <p>2.4. Copies of logs already on file with the division should be referenced, but need not be refiled.</p> <p>2.5. A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.</p> <p>2.6. A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.</p> <p>2.7. Standard laboratory analyses of (1) the fluid to be injected, (2) the fluid in the formation into which the fluid is being injected, and (3) the compatibility of the fluids.</p> <p>2.8. The proposed average and maximum injection pressures.</p> <p>2.9. Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.</p> <p>2.10. Appropriate geological data on the injection interval and confining beds, and nearby Underground Sources of Drinking Water, including the geologic name, lithologic description, thickness, depth, water quality, and lateral extent; also information relative to geologic structure near the proposed well which may affect the conveyance and/or storage of the injected fluids.</p> <p>2.11. A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter improper intervals.</p> <p>2.12. An affidavit certifying that a copy of the application has been provided to all operators, owners and surface owners within a one-half mile radius of the proposed injection well.</p> <p>2.13. Any other additional information that the board or division may determine is necessary to adequately review the application.</p>	<p>1. OK</p> <p>2. OK</p> <p>2.1 OK</p> <p>2.2 No resistivity, SP, or calliper logs. Mud log (4000-6900), gamma ray (92-6768), sonic porosity and neutron porosity (92-6792).</p> <p>2.3 OK Cement Bond Log 94-6808', includes amplitude, transit time, casing collar locator, variable density, HGNS deviation, and gamma ray.</p> <p>2.4 OK</p> <p>2.5 OK</p> <p>2.6 Injected fluid will be produced water from Wasatch and Green River Formations in the Uinta Basin. Ute provides a list of 56 wells in which they have working interest and/or net revenue interest. Ute requests average injection rate of 8000 BWPd.</p> <p>2.7 (1) Analyses of proposed injection fluids submitted with application; very high bicarbonate, attributed to trona in Bird's Nest. (2) Water samples were taken from injection interval during recompletion and submitted to DOGM. Representative water samples from the injection zone have an average TDS of 84,930 mg/l and an average pH of 8.75. (3) The water sample taken from injection interval taken during recompletion, was analyzed for compatibility with samples of injection fluids and was found to be compatible. Analyses were submitted to DOGM.</p> <p>2.8 To be determined by Step Rate Test (SRT).</p> <p>2.9 SRT was performed during recompletion to determine fracture parting pressure of Green River Formation through proposed injection interval. SRT results indicated a parting pressure of 1471 psig, with no breakover. A conservative MAIP of 1000 psig was requested and permitted.</p> <p>2.10 OK</p> <p>2.11 Within AOR: 5 producing oil wells (plus 1 borderline and 1 slightly outside), 1 P&amp;A well, 2 drilling wells, 1 APD.</p> <p>2.12 OK</p> <p>2.13 OK</p>



ULT 4-31  
43-047-40017

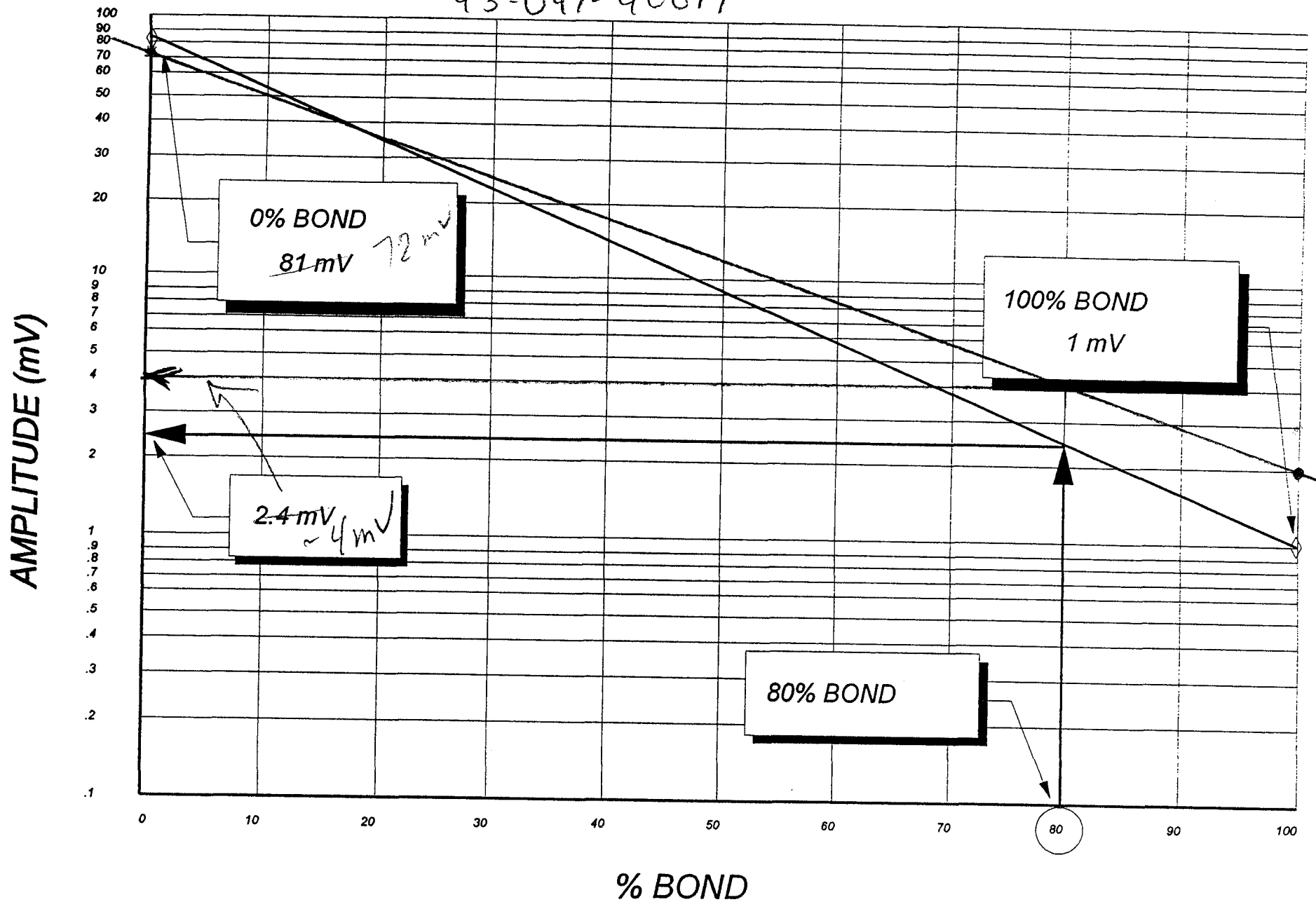




TABLE 2 - TRAVEL TIMES AND AMPLITUDES FOR FREE PIPE  
(3 FT RECEIVER)

CASING SIZE (in)	CASING WEIGHT (lb/ft)	TRAVEL TIME ( $\mu$ s)		AMPLITUDE (mV)
		1-11/16" TOOL	3-5/8" TOOL	
4-1/2	9.5	252	233	81
	11.6	250	232	81
	13.5	249	230	81
5	15.0	257	238	76
	18.0	255	236	76
	20.3	253	235	76
5-1/2	15.5	266	248	72
	17.0	265	247	72
	20.0	264	245	72
	23.0	262	243	72
7	23.0	291	271	62
	26.0	289	270	62
	29.0	288	268	62
	32.0	286	267	62
	35.0	284	265	62
	38.0	283	264	62
7-5/8	26.4	301	281	59
	29.7	299	280	59
	33.7	297	278	59
	39.0	295	276	59
9-5/8	40.0	333	313	51
	43.5	332	311	51
	47.0	330	310	51
	53.5	328	309	51
10-3/4	40.5	354	333	48
	45.5	352	332	48
	51.0	350	330	48
	55.5	349	328	48





<b>County:</b> Uintah <b>Field:</b> Randlett <b>Location:</b> 680 FNL & 680' FWL <b>Well:</b> ULT 4-31 <b>Company:</b> Flying J Oil & Gas Inc.		<b>LOCATION</b> 680 FNL & 680' FWL 3 4 <b>PERMANENT DATUM:</b> Log Measured From: Kelly Buehling Drilling Measured From: Kelly Buehling		<b>GROUND LEVEL</b> Elev: 5041 ft G.L. 5041 ft D.E. 5057 ft	
<b>CBL / VDL CEMENT BOND LOG</b> <b>GAMMA RAY</b> <b>CASING COLLAR LOCATOR</b>					
<b>Logging Date:</b> 11-Aug-2008 <b>Run Number:</b> 6900 ft <b>Depth Driller:</b> 6900 ft <b>Schlumberger Depth:</b> 6900 ft <b>Bottom Log Interval:</b> 100 ft <b>Top Log Interval:</b> 100 ft <b>Casing Fluid Type:</b> Fresh Water <b>Salinity:</b> 2.9 lbm/gal <b>Density:</b> 8.9 lbm/gal		<b>Fluid Level:</b> 7.972 in <b>BIT/CASING/TUBING STRING:</b> 7.972 in <b>Bit Size:</b> 8800 ft <b>From:</b> 5,500 in <b>To:</b> 17 lbm/ft <b>Casing/Tubing Size:</b> 0 ft <b>Weight:</b> 150 drg/lb <b>Grade:</b> 11-Aug-2008 <b>Maximum Recorded Temperatures:</b> 2210 <b>Logged On Bottom:</b> 2000 <b>Unit Number:</b> Andres Caines <b>Recorded By:</b> Pink Chivers <b>Witnessed By:</b>		<b>APN Serial No:</b> 42-047-40017 <b>Section:</b> 31 <b>Township:</b> 28 <b>Range:</b> 27E	
<b>PVT DATA</b> Oil Density Water Salinity Gas Gravity Bo Bv 1.03 Bubble Point Pressure Bubble Point Temperature Solution GOR Maximum Deviation <b>CEMENTING DATA</b> Primary Sequence Casing String No Lead Cement Type Volume Density Water Loss Additives Tail Cement Type Volume Density Water Loss Additives Expected Cement Top Logging Date Run Number Depth Driller Schlumberger Depth Bottom Log Interval Top Log Interval Casing Fluid Type Salinity Density <b>Fluid Level:</b> 7.972 in <b>BIT/CASING/TUBING STRING:</b> 7.972 in <b>Bit Size:</b> 8800 ft <b>From:</b> 5,500 in <b>To:</b> 17 lbm/ft <b>Casing/Tubing Size:</b> 0 ft <b>Weight:</b> 150 drg/lb <b>Grade:</b> 11-Aug-2008 <b>Maximum Recorded Temperatures:</b> 2210 <b>Logged On Bottom:</b> 2000 <b>Unit Number:</b> Andres Caines <b>Recorded By:</b> Pink Chivers <b>Witnessed By:</b>					



File Edit View Options Tools Help

Zoom 50

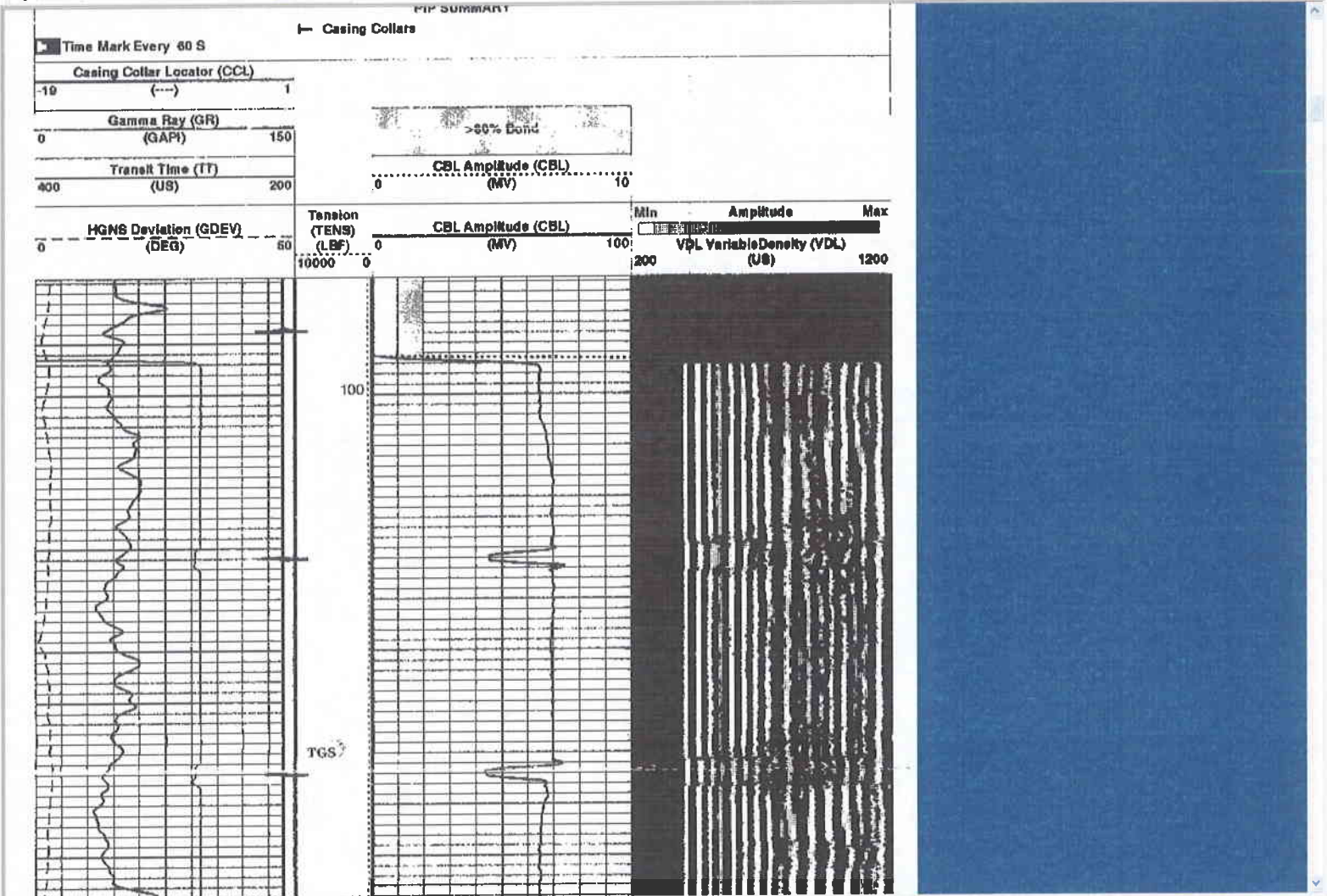


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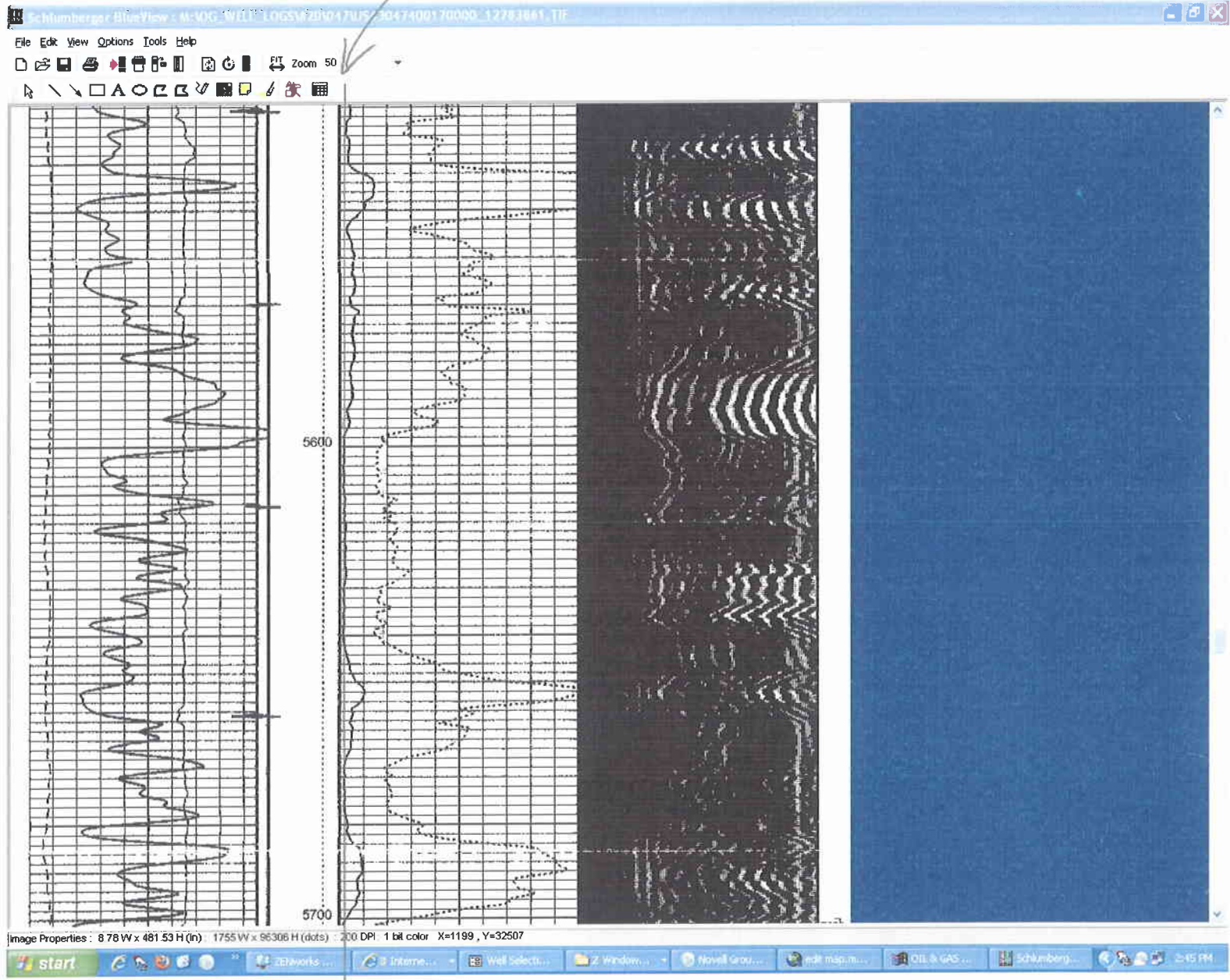


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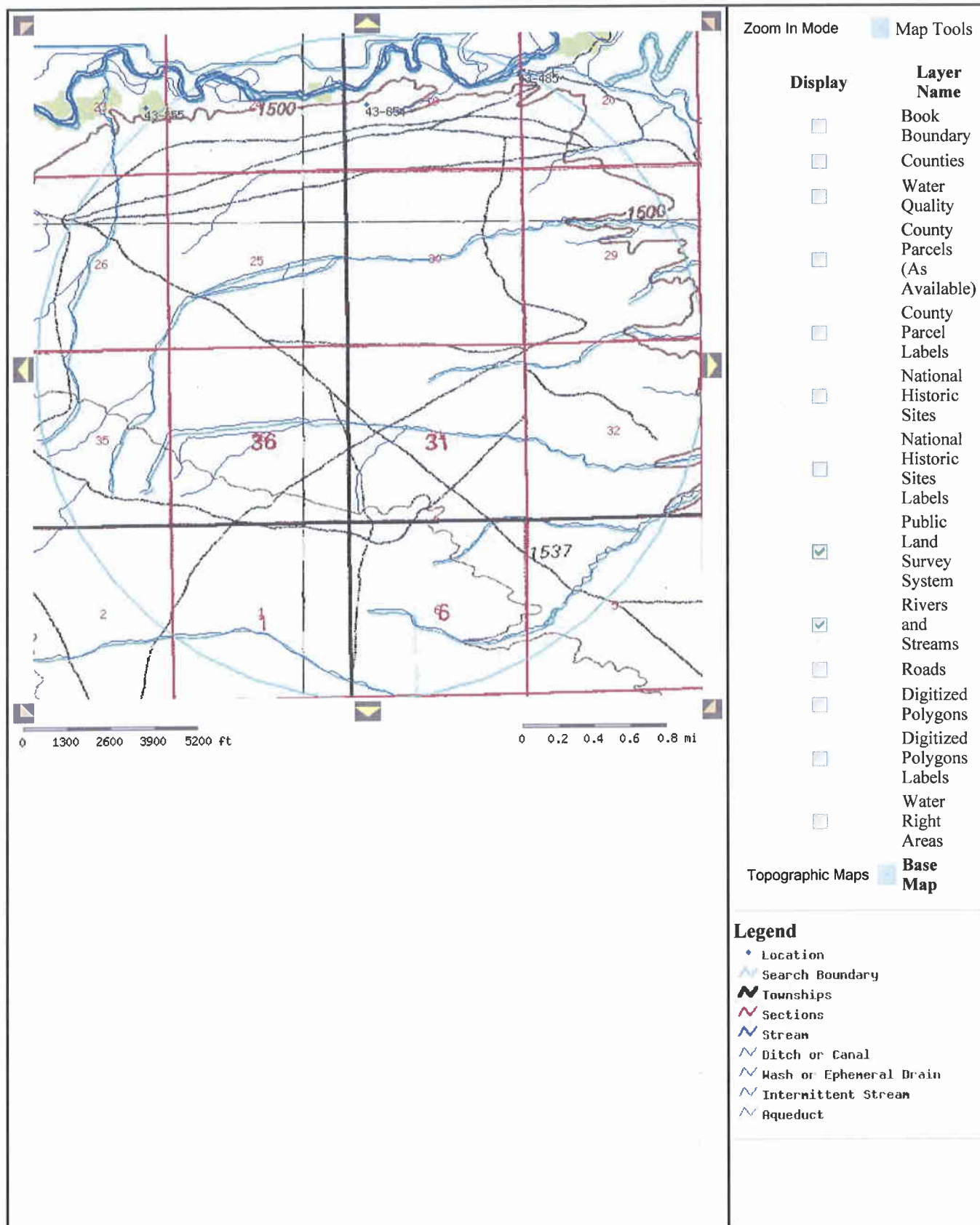
100% Band  
~2mV







DNR







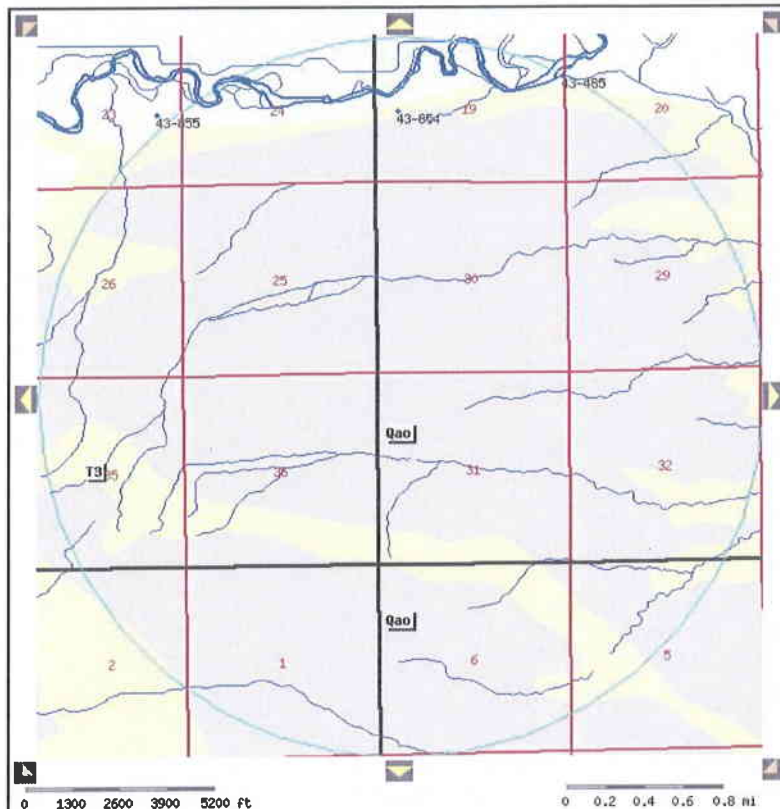
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## Utah Division of Water Rights



Zoom In Mode

Map Tools

## Display

## Layer Name

- ☐ Book Boundary
- ☐ Counties
- ☐ Water Quality
- ☐ County Parcels (As Available)
- ☐ County Parcel Labels
- ☐ National Historic Sites
- ☐ National Historic Sites Labels
- ☒ Public Land Survey System
- ☒ Rivers and Streams
- ☐ Roads
- ☐ Digitized Polygons
- ☐ Digitized Polygons Labels
- ☐ Water Right Areas

Geology

Base Map

## Legend



- Location
- Search Boundary
- Townships
- Sections
- Stream
- Ditch or Canal
- Wash or Ephemeral Drain
- Intermittent Stream
- Aqueduct
- Faults
- water
- plays
- Qa-Quaternary Surficial Alluvium & Colluvium
- Qao-Quaternary Surficial Older Alluvium & Colluvium
- Qe-Quaternary Surficial Eolian Deposits
- Qg-Quaternary Surficial Glacial Deposits
- Ql-Quaternary Surficial Lake Bonneville Deposits
- Qm-Quaternary Surficial Marsh Deposits
- Qs-Quaternary Surficial Mud & Salt Flat Deposits
- Qls-Quaternary Surficial Landslide Deposits
- Qb-Quaternary Volcanic Rocks, Mostly Basalt
- Qr-Pliocene Volcanic Rocks, Rhyolite
- QT-Miocene-Pleistocene High-Level Alluvial Deposits
- T5-Miocene-Pleistocene Sevier River, Castle Valley Fns
- T4-Oligocene-Pliocene Valley-Filling Alluvial, Lacustrine
- T3-Eocene-Oligocene Duchesne River, Uinta, Bridger, Crazy Hollar
- T2-Eocene Green River, Fowkes
- T1-Cretaceous-Eocene Wasatch, Cotton, Claron, White Sage
- Tpb-Pliocene Volcanic Rocks-Mostly Basalt
- Tmb-Miocene Basalt, Rhyolite, Andesite, Tuffaceous
- Tpr-Pliocene Volcanic Rocks, Rhyolite
- Tmr-Miocene Volcanic Rocks, Rhyolite
- Tma-Miocene Volcanic Rocks, Andesite
- Tmv-Miocene Volcanic Rocks
- Tov-Oligocene Volcanic Rocks
- Tvu-Tertiary Volcanic Rocks, Tertiary
- Ti-Tertiary Intrusive Rocks
- TK-Paleocene-Cretaceous Evanston, Currant Creek, Canaan Peak
- K3-Cretaceous Mesaverde Group, Price River, Kaiparowits, Echo C
- K2-Cretaceous Indianola, Mancos, Frontier, Iron Springs
- K1-Cretaceous Dakota Cedar Mtn, Kelvin
- J2-Jurassic Morrison Fm
- J1-Jurassic Summerville, Entrada, Carmel Arapien, Twin Creeks
- Jg-Jurassic Navajo, Kayenta, Wingate, Moenave Fns
- Ji-Jurassic Intrusive Rocks
- Tr2-Triassic Chinle, Ankareh Fns
- Tr1-Triassic Moenkopi, Dinwoody, Woodside, Thaynes
- P2-Permian Kaibab, Toroweap, Park City
- P1-Permian Cedar Mesa, Diamond Creek, Arcturus
- PP-Penns-Pernian Oquirrh Group, Mells, Weber, Ely, Callville
- P-Pennsylvanian Morgan, Round Valley, Honaker Trail, Paradox
- M3-Mississippian Chainman, Manning Canyon, Doughnut
- M2-Mississippian Great Blue, Humbug, Desert
- M1-Mississippian Redwall, Madison, Garrison, Lodgepole
- D-Devonian Formations
- S-Silurian Laketown, Bluebell Dolomite
- O-Ordovician Fish Haven
- C3-Upper Cambrian Fns
- C2-Middle Cambrian Fns
- C1-Cambrian
- PCs-Proterozoic Sedimentary & Metasedimentary Fns
- PCn-Precambrian Metamorphic Rocks
- PCi-Precambrian Intrusive Rocks







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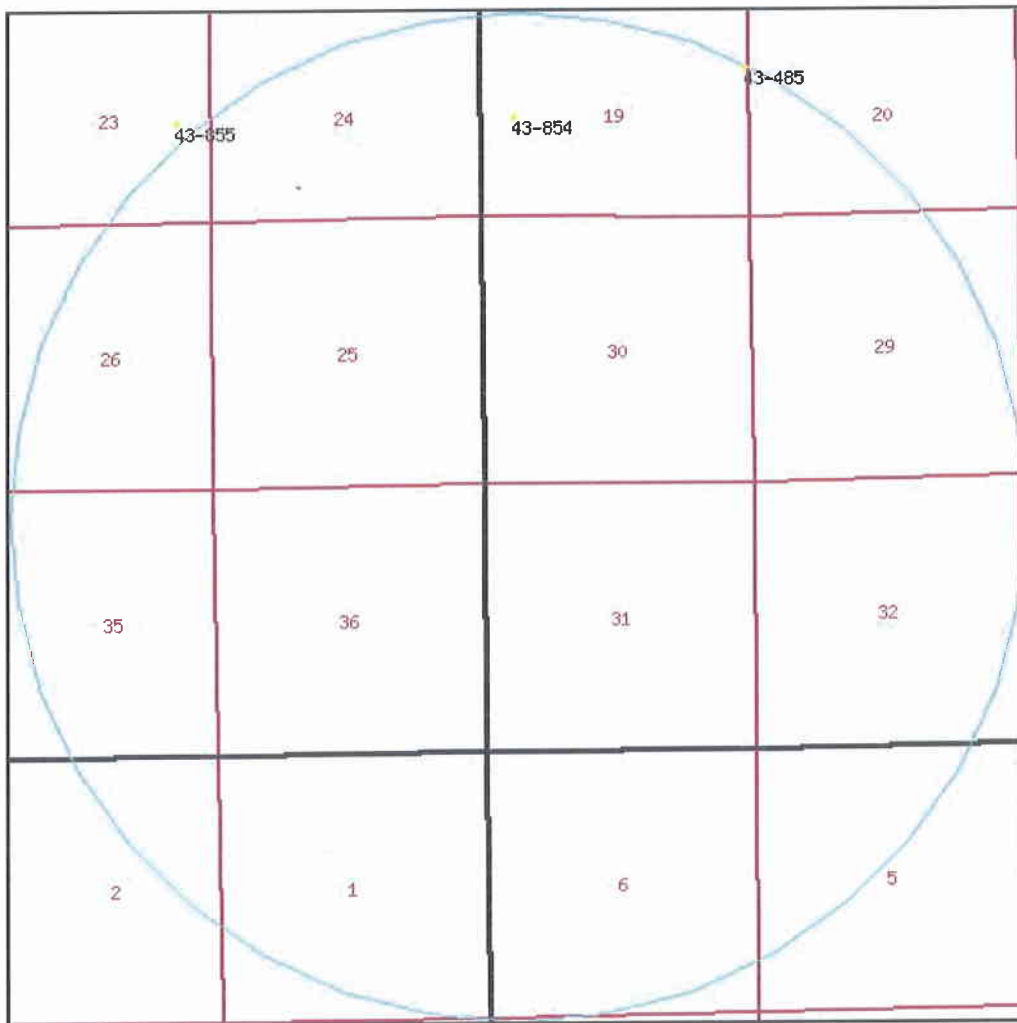
# Utah Division of Water Rights



## Output Listing

Version: 2009.05.06.00      Rundate: 06/29/2012 02:28 PM

Radius search of 10000 feet from a point S663 E664 from the NW corner, section 31, Township 3S, Range 2E, US  
b&m Criteria:wrtypes=W,C,E podtypes=S,U,D,Sp,P,R,T status=U,A,P usetypes=all



0 1300 2600 3900 5200 ft

## Water Rights

WR Number	Diversion Type/Location	Well Log	Status	Priority	Uses	CFS	ACFT	Owner Name
<a href="#">43-854</a>	Point to Point S660 E660 W4 19 3S 2E US		P	18611018	S	0.000	0.000	DEEP CREEK INVESTMENTS C/O LEE SMITH
<a href="#">43-855</a>	Point to Point		P	18611018	S	0.000	0.000	DEEP CREEK INVESTMENTS



	S660 W660 E4 23 3S 1E US					C/O LEE SMITH
<a href="#">43-854</a>	Point to Point	P	18611018 S	0.000	0.000	DEEP CREEK INVESTMENTS
	S660 E660 W4 19 3S 2E US					C/O LEE SMITH
<a href="#">43-855</a>	Point to Point	P	18611018 S	0.000	0.000	DEEP CREEK INVESTMENTS
	S660 W660 E4 23 3S 1E US					C/O LEE SMITH
<a href="#">43-480</a>	Surface	P	19050703 I	11.250	0.000	USA INDIAN IRRIGATION SERVICE
	N300 W70 E4 19 3S 2E US					FORT DUCHESNE UT
<a href="#">43-485</a>	Surface	P	19160124 I	1.500	0.000	CABIN CRUISER, LLC
	N300 W70 E4 19 3S 2E US					888 EAST RANCH ROAD

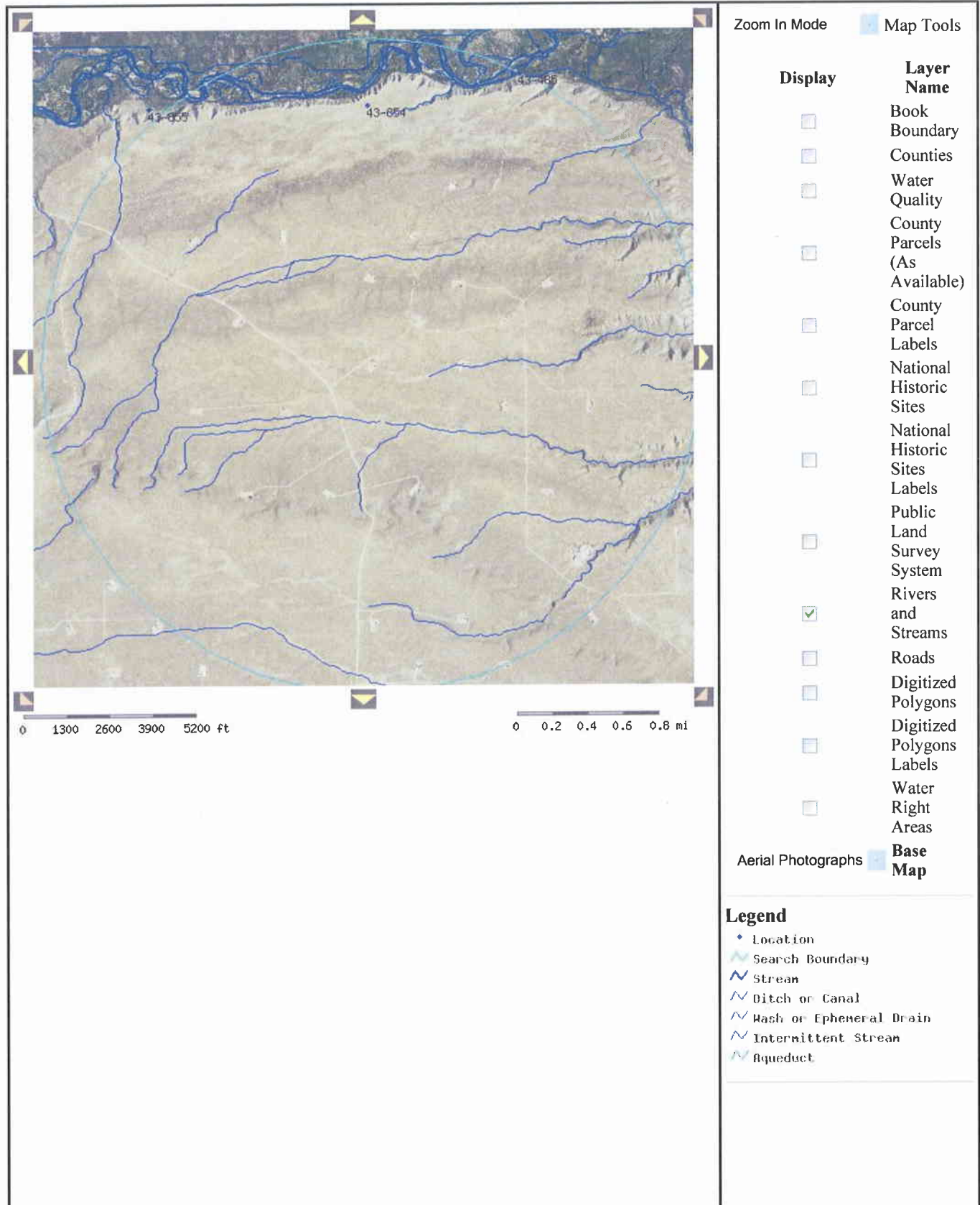
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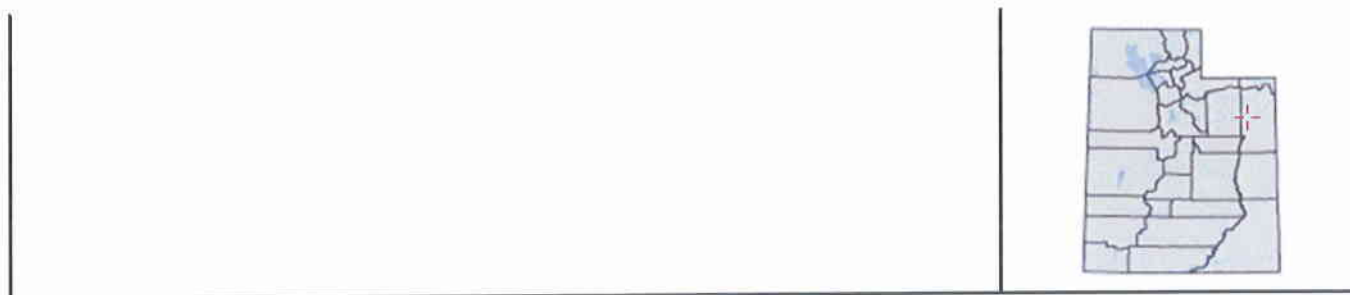


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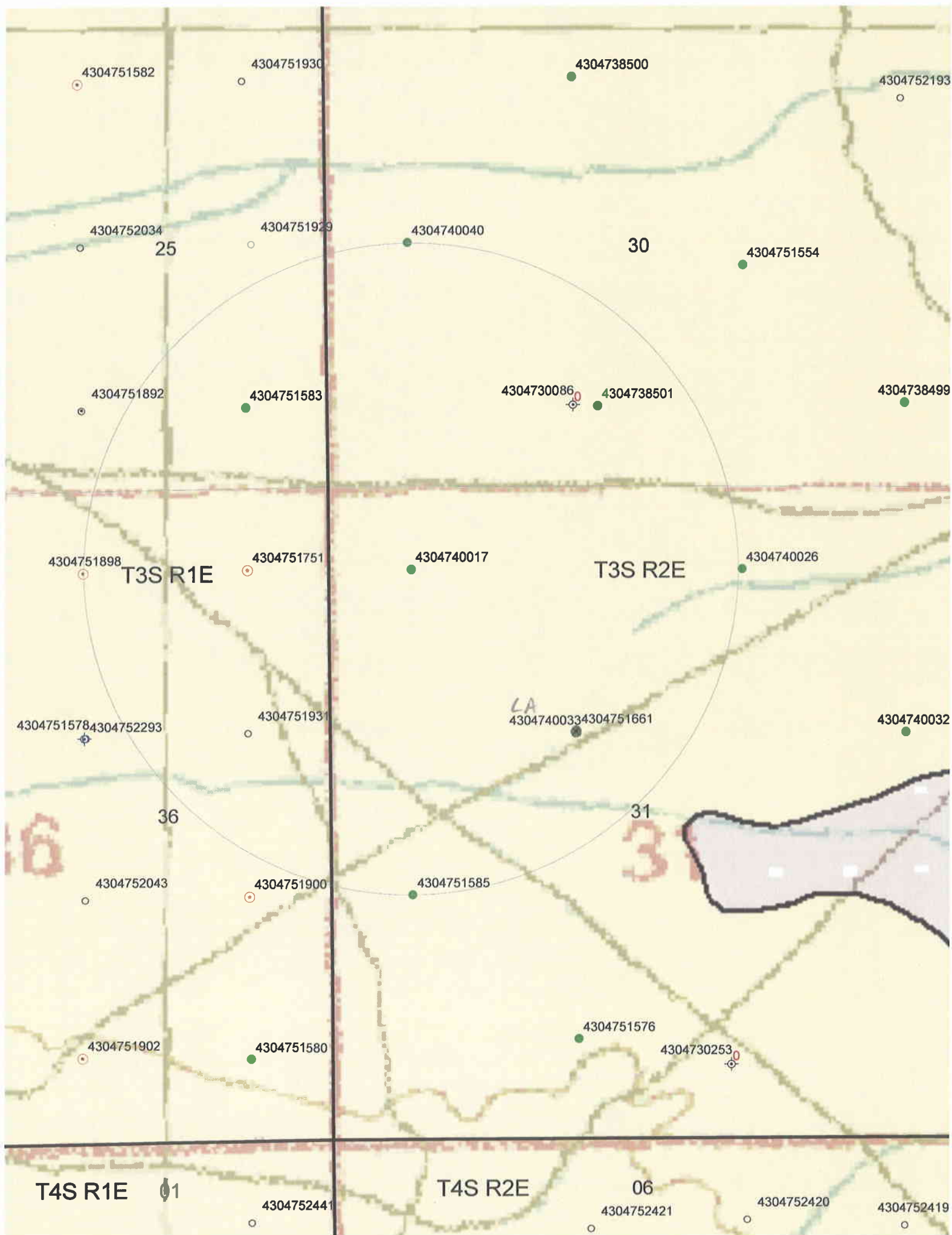


- ◆ Location
- ↗ Search Boundary
- ↗ Stream
- ↗ Ditch or Canal
- ↗ Wash or Ephemeral Drain
- ↗ Intermittent Stream
- ↗ Aqueduct
- ▲ Faults
- water
- playa
- Qa-Quaternary Surficial Alluvium & Colluvium
- Qao-Quaternary Surficial Older Alluvium & Colluvium
- Qe-Quaternary Surficial Eolian Deposits
- Qg-Quaternary Surficial Glacial Deposits
- Ql-Quaternary Surficial Lake Bonneville Deposits
- Qm-Quaternary Surficial Marsh Deposits
- Qs-Quaternary Surficial Mud & Salt Flat Deposits
- Qls-Quaternary Surficial Landslide Deposits
- Qb-Quaternary Volcanic Rocks, Mostly Basalt
- Qr-Pliocene Volcanic Rocks, Rhyolite
- QT-Miocene-Pleistocene High-Level Alluvial Deposits
- T5-Miocene-Pleistocene Sevier River, Castle Valley Fms
- T4-Oligocene-Pliocene Valley-Filling Alluvial, Lacustrine
- T3-Eocene-Oligocene Duchesne River, Uinta, Bridger, Crazy Hollow
- T2-Eocene Green River, Fowkes
- T1-Cretaceous-Eocene Wasatch, Cotton, Claron, White Sage
- Tpb-Pliocene Volcanic Rocks-Mostly Basalt
- Tmb-Miocene Basalt, Rhyolite, Andesite, Tuffaceous
- Tpr-Pliocene Volcanic Rocks, Rhyolite
- Tmr-Miocene Volcanic Rocks, Rhyolite
- Tma-Miocene Volcanic Rocks, Andesite
- Tmv-Miocene Volcanic Rocks
- Tov-Oligocene Volcanic Rocks
- Tvu-Tertiary Volcanic Rocks, Tertiary
- Ti-Tertiary Intrusive Rocks
- TK-Paleocene-Cretaceous Evanston, Carrant Creek, Canaan Peak
- K3-Cretaceous Mesaverde Group, Price River, Kaiparawits, Echo Cyn
- K2-Cretaceous Indianola, Mancos, Frontier, Iron Springs
- K1-Cretaceous Dakota Cedar Mtn, Kelvin
- J2-Jurassic Morrison Fm
- J1-Jurassic Summerville, Entrada, Carmel Arapien, Twin Creeks
- Jg-Jurassic Navajo, Kayenta, Wingate, Moenave Fms
- Ji-Jurassic Intrusive Rocks
- Tr2-Triassic Chinle, Ankareh Fms
- Tr1-Triassic Moenkopi, Dinwoody, Woodside, Thaynes
- P2-Permian Kaibab, Toroweap, Park City
- P1-Permian Cedar Mesa, Diamond Creek, Arcturus
- PP-Penn-Permian Oquirrh Group, Wells, Weber, Ely, Callville
- P-Pennsylvanian Morgan, Round Valley, Honaker Trail, Paradox
- M3-Mississippian Chainman, Manning Canyon, Doughnut
- M2-Mississippian Great Blue, Humber, Beeson

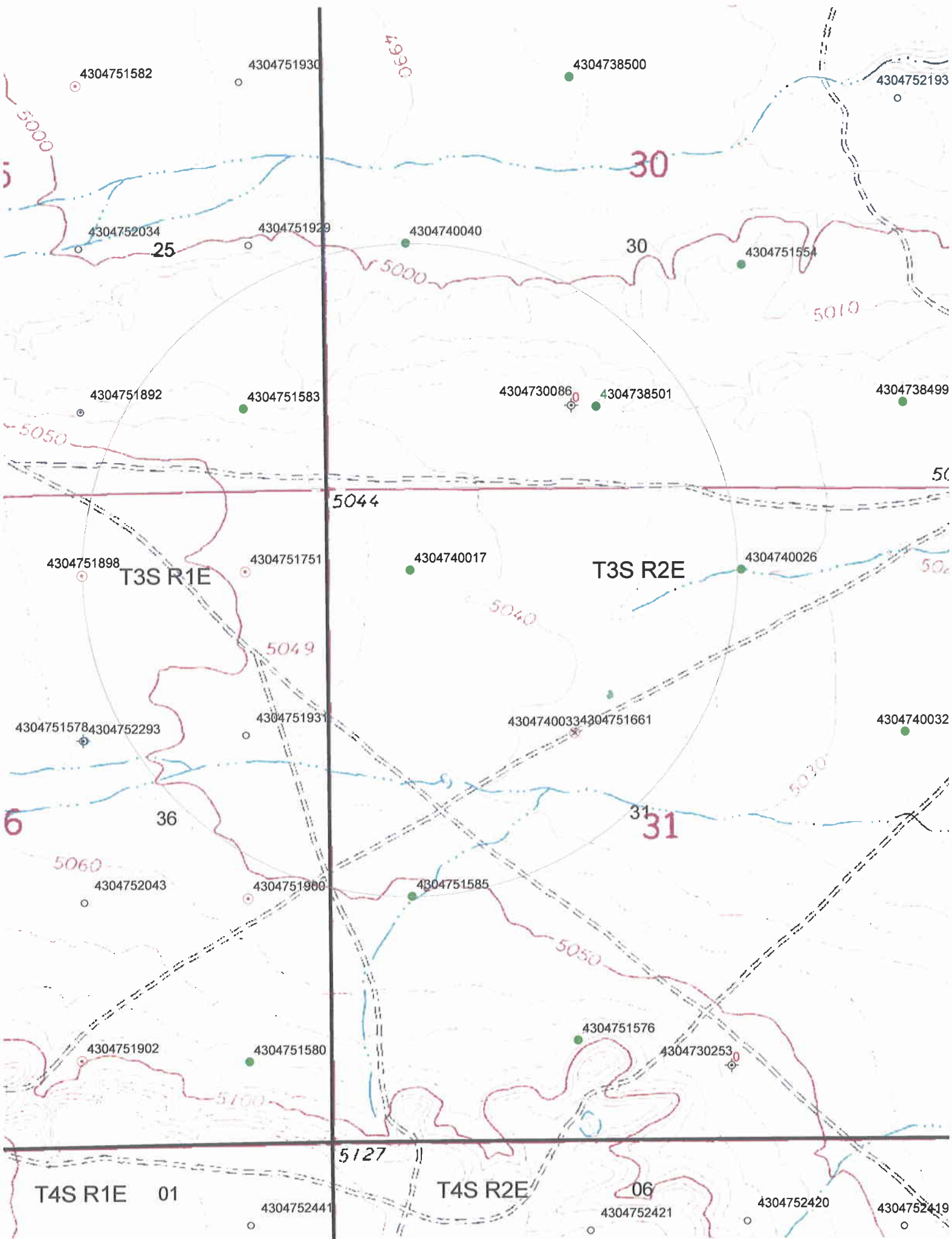


- ◆ Location
- ~ Search Boundary
- ~ Stream
- ~ Ditch or Canal
- ~ Wash or Ephemeral Drain
- ~ Intermittent Stream
- ~ Aqueduct
- ^ Faults
- water
- playa
- Qa-Quaternary Surficial Alluvium & Colluvium
- Qao-Quaternary Surficial Older Alluvium & Colluvium
- Qe-Quaternary Surficial Eolian Deposits
- Qg-Quaternary Surficial Glacial Deposits
- Ql-Quaternary Surficial Lake Bonneville Deposits
- Qm-Quaternary Surficial Marsh Deposits
- Qs-Quaternary Surficial Mud & Salt Flat Deposits
- Qls-Quaternary Surficial Landslide Deposits
- Qb-Quaternary Volcanic Rocks, Mostly Basalt
- Qr-Pliocene Volcanic Rocks, Rhyolite
- QT-Miocene-Pleistocene High-Level Alluvial Deposits
- T5-Miocene-Pleistocene Sevier River, Castle Valley Fms
- T4-Oligocene-Pliocene Valley-Filling Alluvial, Lacustrine
- T3-Eocene-Oligocene Duchesne River, Uinta, Bridger, Crazy Hollow
- T2-Eocene Green River, Fowkes
- T1-Cretaceous-Eocene Wasatch, Cotton, Claron, White Sage
- Tpb-Pliocene Volcanic Rocks-Mostly Basalt
- Tmb-Miocene Basalt, Rhyolite, Andesite, Tuffaceous
- Tpr-Pliocene Volcanic Rocks, Rhyolite
- Tmr-Miocene Volcanic Rocks, Rhyolite
- Tma-Miocene Volcanic Rocks, Andesite
- Tmv-Miocene Volcanic Rocks
- Tov-Oligocene Volcanic Rocks
- Tvu-Tertiary Volcanic Rocks, Tertiary
- Ti-Tertiary Intrusive Rocks
- TK-Paleocene-Cretaceous Evanston, Carrant Creek, Canaan Peak
- K3-Cretaceous Mesaverde Group, Price River, Kaiparawits, Echo Cyn
- K2-Cretaceous Indianola, Mancos, Frontier, Iron Springs
- K1-Cretaceous Dakota Cedar Mtn, Kelvin
- J2-Jurassic Morrison Fm
- J1-Jurassic Sumnerville, Entrada, Carmel Arapien, Twin Creeks
- Jg-Jurassic Navajo, Kayenta, Wingate, Moenave Fms
- Ji-Jurassic Intrusive Rocks
- Tr2-Triassic Chinle, Ankareh Fms
- Tr1-Triassic Moenkopi, Dinwoody, Woodside, Thaynes
- P2-Permian Kaibab, Toroweap, Park City
- P1-Permian Cedar Mesa, Diamond Creek, Arcturus
- PP-Penn-Permian Oquirrh Group, Wells, Weber, Ely, Callville
- P-Pennsylvanian Morgan, Round Valley, Honaker Trail, Paradox
- M3-Mississippian Chainman, Manning Canyon, Doughnut
- M2-Mississippian Great Blue, Huber, Beacon









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4304751930

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FLYING J OIL & GAS INC. DAILY DRILLING REPORT											
Well Name & No.		ULT 4-31		Contractor & Rig No.		PIONEER # 59		Date		08/09/08	
Legal Location		NWNW	Section	31	T 3S	R 2E		Report No.		15	
County		Uintah	State	Utah	GLE	5041	KBE	5058	Spud Date		7/16/08
Report Time Depth		Drilling Progress				(6,900)	Formation				
Activity at Report Time		WAIT ON DAYLITE									
Deepest Casing Set		9.625	Set @	767 K.B	Burst	36#					
Current	RPM's		0	Bit Wt.	0	Pump Pres.	Diesel Used	300	Cum.	7768	
Bits	Bit No.	Size	Make	Type	Serial No.	Jets	Depth In	Last Depth	Feet	Rot. Hrs	
	0	0	0	0	0	1/0/1900			-		
Grading	Bit No.	Cum. Hrs	Cum. Ft	Ft/Hr	Teeth	Bearings	Gauge	Current Mud Motor Hrs.	Rotating	Reaming	
Mud Prop's	Mud Wt.	Vis. (Sec)	Plastic Vis.	Yield Pt.	Gels	API Filtrate	HT Filtrate	Filter Cake	LCM		
	Solids	Liquid	Oil	Sand	pH	Chlorides	Hardness	Alk (Mud)	Alk (PI/MF)	Mud Salt	
Direct Surveys		#1	#2	#3	#4	#5	#6	#7	#8	#9	
	Depth										
	Inclination										
Pumps	Pump No.	Model	SPM	Pressure	Gal/Stk	GPM	BPM	AVDP	AVDC		
	1	MOMCO-F-100	0.0	0	3.48	-	-	#REF!	-		
Slow P. Rate	2	NAT-8-P80	0.0	0	3.12						
		Depth	SPM	BPM	Pressure	Mud Volumes		Hole	Pits	Total	
Drill String	Drill Collars	Length	OD	ID	Wt/Ft	Eff. Wt.	Drill Pipe	Size	Grade	Weight	
		Static	Slack-off	Pick-up				#REF!	#REF!	#REF!	
	String Weight				Drill Pipe Joints		On Loc.	On Rack	In Hole		
BHA	Item	Bit	Q	Q						Total	
	Length	12.250								0.00	
	OD										
Other	From	To	Hours	Description of Operations							
	600	1800	12.00	R/D/R/T							
	1800	600	12.00	WAIT ON DAYLITE. (MOVE TO ULT #12-29)							
	0		-								
	0		-								
	0		-								
	0		-								
	0		-								
	0		-								
	0		-								
	0		-								
	0		-								
	0		-								
	0		-								
	0		-								
Total		24.00									
Well Costs											
Previous Total							729,107				
Daily Cost							17,676				
Cumulative Total							746,783				
Reported By: D.A CHIVERS											
Company: 0											
Flying J Oil & Gas Inc. 333 West Center Street North Salt Lake, Utah 84054 Phone: (801)296-7700. Fax: (801)296-7888											



**FLYING J OIL & GAS INC.  
DAILY DRILLING COSTS**

Well Name & No. <u>ULT 4-31</u>	Contractor & Rig No. <u>PIONEER # 59</u>	Date <u>08/09/08</u>
Legal Location <u>NWNW</u> Section <u>31</u> T <u>3S</u> R <u>23</u>		Report No. <u>15</u>
County <u>UINTAH</u> State <u>UT</u> GLE <u>5041</u> KBE <u>5058</u>		Spud Date <u>07/16/08</u>

<u>Accounting Code</u>	<u>Cost Description</u>	<u>Daily Costs</u>	<u>Cumulative Costs</u>
8544.01	Site, ROW and Damages		53,000
8544.02	Footage or Contract		43,855
8544.03	Day Rate or Rig Time	14,450	199,442
8544.04	Bits and Reamers		22,605
8544.05	Electronic Surveys & Logs		27,713
8544.06	Drill Stem Test & Core Analysis		-
8544.07	Electricity		-
8544.08	Fuel	1,251	33,175
8544.09	Cementing & Services		12,224
8544.10	Rentals	700	13,430
8544.11	Drilling Mud & Additives		45,928
8544.12	Move In & Out, Rig Setup		27,250
8544.13	Onsite Housing or Camp		-
8544.14	Fishing Tools & Services		-
8544.15	Geologic, Engineering, Mud Logging		4,500
8544.16	Supervision	1,275	15,041
8544.17	Directional Services and Equipment		-
8544.18	Trucking		475
8544.22	Casing Rig & Crew		15,790
8544.23	Water		13,916
8544.24	Contract Labor		6,888
8544.27	Disposal		515
8544.34	Miscellaneous Services & Materials		4,413
8544.37	Overhead		-
8544.40	Insurance		-
8544.45	Safety & Environmental		-
8543.01	Conductor & Surface Casing		25,671
8543.02	Intermediate Casing		174,452
8543.03	Other Subsurface Casing		-
8543.04	Drill Pipe and Tubing		-
8543.05	Wellhead		6,500
8543.34	Miscellaneous Tangible Materials		-
<b>Total</b>		<b>17,676</b>	<b>746,783</b>

Reported By: D.A.CHIVERS

Company: \_\_\_\_\_

Flying J Oil & Gas Inc.  
333 West Center Street  
North Salt Lake, Utah 84054  
Phone: (801)296-7700, Fax: (801)296-7888



**FLYING J OIL & GAS INC.  
DAILY DRILLING REPORT**

Well Name & No. <u>ULT 4-31</u>	Contractor & Rig No. <u>PIONEER # 59</u>	Date <u>08/08/08</u>
Legal Location <u>NWNW</u> Section <u>31</u> T <u>3S</u> R <u>2E</u>		Report No. <u>14</u>
County <u>Uintah</u> State <u>Utah</u> GLE <u>5041</u> KBE <u>5058</u>		Spud Date <u>7/16/08</u>

Report Time Depth <u>6.900</u>	Drilling Progress <u>-</u>	Formation <u>DOUGLAS CREEK</u>
Activity at Report Time <u>R/D/R/T</u>		
Deepest Casing Set <u>9.625</u>	Set @ <u>767 K.B</u>	Burst <u>36#</u>

Current	RPM's <u>0</u>	Bit Wt. <u>0</u>	Pump Pres. <u>300</u>	Diesel Used <u>575</u>	Cum. <u>7468</u>
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Bits	Bit No.	Size	Make	Type	Serial No.	Jets	Depth In	Last Depth	Feet	Rot. Hrs
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Grading	Bit No.	Cum. Hrs	Cum. Ft	Ft/Hr	Teeth	Bearings	Gauge	Current Mud Motor Hrs.	Rotating	Reaming
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Mud Prop's	Mud Wt.	Vis. (Sec)	Plastic Vis.	Yield Pt.	Gels	API Filtrate	HT Filtrate	Filter Cake	LCM	
	9.8+	38.0	11.0	8.0	1/2	12.0		2	1%	
	Solids	Liquid	Oil	Sand	pH	Chlorides	Hardness	Alk (Mud)	Alk (P/M)	Mud Salt
	11.00%	89.00%		1.00%	10.0	3,500	20	2	1.5 / 5.2	

Direct. Surveys	Depth	#5	#6	#7	#8	#9	#10	#11	#12	#13
	2,800	3,233	3,750	4,285	4,918	5,300	5,579	6,276	6,900	
	Inclination	2.40	2.01	1.72	2.07	2.76	2.76	2.53	1.79	1.83
	Direction									

Pumps	Pump No.	Model	SPM	Pressure	Gal/Str	GPM	BPM	AVDP	AVDC
	1	MOMCO-F-100			3.48	-	-	#REF!	#DIV/0!
	2	NAT-8-P80	0.0	0	3.12				

Slow P. Rate	Depth	SPM	BPM	Pressure	Mud Volumes	Hole	Pits	Total
								-

Drill String	Drill Collars	Length	OD	ID	Wt/Ft	Eff. Wt. #VALUE!	Drill Pipe	Size #REF!	Grade #REF!	Weight #REF!
	String Weight	Static	Slack-off	Pick-up			Drill Pipe Joints	On Loc.	On Rack	In Hole
										-

BHA	Item								Total
	Length								0.00
	OD								
	ID								

From	To	Hours	Description of Operations
600	1230	6.50	CIRC. (WAIT ON HALLIBURTON)
1230	1500	2.50	CIRC. (R/U HALLIBURTON)
1500	-	-	SAFTY MEETING. CMT CSG W/ 375 SKS 11# LEAD. & 340 SKS 13.4# TAIL. DISP. W/ 156 1/2 BBL
0	1800	3.00	FRESH WATER. LOST RETURNS 136 BBL IN TO DISP. BUMP PLUG 500# OVER. PLUG HELD
1800	1830	0.50	R/D CEMENTERS.
1830	2100	2.50	NIPPLE DOWN B.O.P. SET SLIPS W/ 115,000
2100	100	4.00	CLEAN MUD TANKS RIG RELEASED @ 1.00 A.M 8/8/08
100	600	5.00	R/D/R/T
0	-	-	
0	-	-	
0	-	-	
0	-	-	
0	-	-	
0	-	-	
0	-	-	
0	-	-	
0	-	-	
0	-	-	
Total		24.00	

Other	Well Costs
	Previous Total <u>703,943</u>
	Daily Cost <u>25,164</u>
	Cumulative Total <u>729,107</u>

Reported By: D.A CHIVERS

Company: 0

Flying J Oil & Gas Inc.  
333 West Center Street  
North Salt Lake, Utah 84054  
Phone: (801)296-7700, Fax: (801)296-7886



**FLYING J OIL & GAS INC.  
DAILY DRILLING COSTS**

Well Name & No. ULT 4-31

Contractor & Rig No. PIONEER # 59

Date 08/08/08

Legal Location NWNW

Section 31 T 3S R 23

Report No. 14

County UINTAH

State UT

GLE 5041

KBE 5058

Spud Date 07/16/08

Accounting Code	Cost Description	Daily Costs	Cumulative Costs
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8544.01	Site, ROW and Damages		53,000
8544.02	Footage or Contract		43,855
8544.03	Day Rate or Rig Time	16,480	184,992
8544.04	Bits and Reamers		22,605
8544.05	Electronic Surveys & Logs		27,713
8544.06	Drill Stem Test & Core Analysis		-
8544.07	Electricity		-
8544.08	Fuel	2,374	31,924
8544.09	Cementing & Services		12,224
8544.10	Rentals	1,180	12,730
8544.11	Drilling Mud & Additives	1,101	45,928
8544.12	Move In & Out, Rig Setup		27,250
8544.13	Onsite Housing or Camp		-
8544.14	Fishing Tools & Services		-
8544.15	Geologic, Engineering, Mud Logging		4,500
8544.16	Supervision	1,016	13,766
8544.17	Directional Services and Equipment		-
8544.18	Trucking		475
8544.22	Casing Rig & Crew		15,790
8544.23	Water	1,508	13,916
8544.24	Contract Labor		6,888
8544.27	Disposal		515
8544.34	Miscellaneous Services & Materials	1,505	4,413
8544.37	Overhead		-
8544.40	Insurance		-
8544.45	Safety & Environmental		-
8543.01	Conductor & Surface Casing		25,671
8543.02	Intermediate Casing		174,452
8543.03	Other Subsurface Casing		-
8543.04	Drill Pipe and Tubing		-
8543.05	Wellhead		6,500
8543.34	Miscellaneous Tangible Materials		-

<b>Total</b>		<b>25,164</b>	<b>729,107</b>
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Reported By: D.A.CHIVERS

Company: \_\_\_\_\_

Flying J Oil & Gas Inc.  
333 West Center Street  
North Salt Lake, Utah 84054  
Phone: (801)296-7700, Fax: (801)296-7888



**FLYING J OIL & GAS INC.  
DAILY DRILLING REPORT**

Well Name & No. <u>ULT 4-31</u>	Contractor & Rig No. <u>PIONEER # 59</u>	Date <u>08/07/08</u>
Legal Location <u>NWNNW</u> Section <u>31</u> T <u>3S</u> R <u>2E</u>		Report No. <u>13</u>
County <u>Uintah</u> State <u>Utah</u> GLE <u>5041</u> KBE <u>5058</u>		Spud Date <u>7/16/08</u>

Report Time Depth <u>6,900</u>	Drilling Progress <u>-</u>	Formation <u>DOUGLAS CREEK</u>
Activity at Report Time <u>CIRC. WAIT ON CEMENT.</u>		
Deepest Casing Set <u>9.625</u>	Set @ <u>767 K.B</u>	Burst <u>36#</u>

Current	RPM's <u>          </u>	Bit Wt. <u>          </u>	Pump Pres. <u>300</u>	Diesel Used <u>713</u>	Cum. <u>6893</u>
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Bits	Bit No.	Size	Make	Type	Serial No.	Jets	Depth In	Last Depth	Feet	Rot. Hrs
	2	7.875	SMITH	FI-28	0	3/18	6,900	6,900	-	-
	2	7.875	H-C	506Z	7119051	6/16			-	

Grading	Bit No.	Cum. Hrs	Cum. Ft	FVHr	Teeth	Bearings	Gauge	Current Mud Motor Hrs.	Rotating	Reaming
	2	19.50	807	41.4	0-2	X	I			

Mud Prop's	Mud Wt.	Vis. (Sec)	Plastic Vis.	Yield Pt.	Gels	API Filtrate	HT Filtrate	Filter Cake	LCM	
	10.00	44.0	16.0	10.0	7/15	10.6		2	10%	
	Solids	Liquid	Oil	Sand	pH	Chlorides	Hardness	Alk (Mud)	Alk (P/Mft)	Mud Salt
	12.00%	88.00%		1.00%	10.5	2,900	TR	3	2/5.8	

Direct. Surveys	#5	#6	#7	#8	#9	#10	#11	#12	#13
Depth	2,800	3,233	3,750	4,285	4,918	5,300	5,579	6,276	6,900
Inclination	2.40	2.01	1.72	2.07	2.76	2.76	2.53	1.79	1.83
Direction									

Pumps	Pump No.	Model	SPM	Pressure	Gal/Str	GPM	BPM	AVDP	AVDC
	1	MOMCO-F-100	77.0	300	3.48	268	6.38	#REF!	#DIV/0!
	2	NAT-8-P80	0.0	0	3.12				

Slow P. Rate	Depth	SPM	BPM	Pressure	Mud Volumes	Hole	Pits	Total
								-

Drill String	Length	OD	ID	WVft	Eff. Wt.	Drill Pipe	Size	Grade	Weight
Drill Collars				-	-		#REF!	#REF!	#REF!
String Weight	Static	Slack-off	Pick-up			Drill Pipe Joints	On Loc.	On Rack	In Hole
									-

BHA	Item	Bit	MOTOR	15X61/4"DC					Total
	Length								0.00
	OD								
	ID								

From	To	Hours	Description of Operations
600	630	0.50	TRIP IN HOLE
630	730	1.00	CUT DRILLING LINE
730	1130	4.00	TRIP IN HOLE ( BREAK CIRC @ 4500')
1130	1300	1.50	CIRC BTM UP ( SAFTY MEETING R/U LAY DOWN CREW)
1300	2000	7.00	L/D DRILL STRING
2000		-	SAFTY MEETING R/U CSG CREW. RUN 160 JTS 5 1/2" 17# N-80 CSG. TOTAL 6906'
	400	8.00	SHOE @ 6900' FLT @ 6856' MARKER @ 5787'
400	600	2.00	CIRC. ( WAIT ON HALLIBURTON CENTERS )
0		-	
0		-	
0		-	
0		-	
0		-	
0		-	
0		-	
0		-	
0		-	
Total		24.00	

Other	Well Costs
	Previous Total <u>487,955</u>
	Daily Cost <u>215,988</u>
	Cumulative Total <u>703,943</u>

Reported By: D.A CHIVERS

Company: 0

Flying J Oil & Gas Inc.  
333 West Center Street  
North Salt Lake, Utah 84054  
Phone: (801)296-7700, Fax: (801)296-7888



**FLYING J OIL & GAS INC.  
DAILY DRILLING COSTS**

Well Name & No. <u>ULT 4-31</u>	Contractor & Rig No. <u>PIONEER # 59</u>	Date <u>08/07/08</u>
Legal Location <u>NWNW</u> Section <u>31</u> T <u>3S</u> R <u>23</u>		Report No. <u>13</u>
County <u>UINTAH</u> State <u>UT</u> GLE <u>5041</u> KBE <u>5058</u>		Spud Date <u>07/16/08</u>

Accounting Code	Cost Description	Daily Costs	Cumulative Costs
8544.01	Site, ROW and Damages		53,000
8544.02	Footage or Contract		43,855
8544.03	Day Rate or Rig Time	17,000	168,512
8544.04	Bits and Reamers		22,605
8544.05	Electronic Surveys & Logs		27,713
8544.06	Drill Stem Test & Core Analysis		-
8544.07	Electricity		-
8544.08	Fuel	2,945	29,550
8544.09	Cementing & Services		12,224
8544.10	Rentals	1,180	11,550
8544.11	Drilling Mud & Additives	2,963	44,827
8544.12	Move In & Out, Rig Setup		27,250
8544.13	Onsite Housing or Camp		-
8544.14	Fishing Tools & Services		-
8544.15	Geologic, Engineering, Mud Logging		4,500
8544.16	Supervision	1,275	12,750
8544.17	Directional Services and Equipment		-
8544.18	Trucking		475
8544.22	Casing Rig & Crew	15,790	15,790
8544.23	Water		12,408
8544.24	Contract Labor		6,888
8544.27	Disposal		515
8544.34	Miscellaneous Services & Materials	383	2,908
8544.37	Overhead		-
8544.40	Insurance		-
8544.45	Safety & Environmental		-
8543.01	Conductor & Surface Casing		25,671
8543.02	Intermediate Casing	174,452	174,452
8543.03	Other Subsurface Casing		-
8543.04	Drill Pipe and Tubing		-
8543.05	Wellhead		6,500
8543.34	Miscellaneous Tangible Materials		-
Total		215,988	703,943

Reported By: D.A.CHIVERS

Company: \_\_\_\_\_

Flying J Oil & Gas Inc.  
333 West Center Street  
North Salt Lake, Utah 84054  
Phone: (801)296-7700, Fax: (801)296-7888



**FLYING J OIL & GAS INC.  
DAILY DRILLING REPORT**

Well Name & No. <u>ULT 4-31</u>	Contractor & Rig No. <u>PIONEER # 59</u>	Date <u>08/06/08</u>
Legal Location <u>NWNW</u> Section <u>31</u> T <u>3S</u> R <u>2E</u>		Report No. <u>12</u>
County <u>Uintah</u> State <u>Utah</u> GLE <u>5041</u> KBE <u>5058</u>		Spud Date <u>7/16/08</u>

Report Time Depth <u>6,900</u>	Drilling Progress <u>-</u>	Formation <u>DOUGLAS CREEK</u>
Activity at Report Time <u>TRIP IN HOLE</u>		
Deepest Casing Set <u>9.625</u>	Set @ <u>767 K.B</u>	Burst <u>36#</u>

Current	RPM's <u>60/80</u>	Bit Wt. <u>16/20</u>	Pump Pres. <u>1650</u>	Diesel Used <u>313</u>	Cum. <u>6180</u>
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Bits	Bit No.	Size	Make	Type	Serial No.	Jets	Depth In	Last Depth	Feet	Rot. Hrs
	<u>2</u>	<u>7.875</u>	<u>SMITH</u>	<u>FI-28</u>		<u>3/18</u>			<u>-</u>	
	<u>2</u>	<u>7.875</u>	<u>H-C</u>	<u>508Z</u>	<u>7119051</u>	<u>6/16</u>			<u>-</u>	

Grading	Bit No.	Cum. Hrs	Cum. Ft	FV/Hr	Teeth	Bearings	Gauge	Current Mud Motor Hrs.	Rotating	Reaming
	<u>2</u>	<u>19.50</u>	<u>807</u>	<u>41.4</u>	<u>0-2</u>	<u>X</u>	<u>I</u>			

Mud Prop's	Mud Wt.	Vis. (Sec)	Plastic Vis.	Yield Pt.	Gels	API Filtrate	HT Filtrate	Filter Cake	LCM
	<u>10.00</u>	<u>40.0</u>	<u>11.0</u>	<u>11.0</u>	<u>1/2</u>	<u>10.8</u>		<u>2</u>	<u>10%</u>
	<u>Solids</u>	<u>Liquid</u>	<u>Oil</u>	<u>Sand</u>	<u>pH</u>	<u>Chlorides</u>	<u>Hardness</u>	<u>Alk (Mud)</u>	<u>Alk (P/Mf)</u>
	<u>12.00%</u>	<u>88.00%</u>		<u>1.00%</u>	<u>9.8</u>	<u>2,700</u>	<u>TR</u>	<u>2</u>	<u>1.4/5.0</u>
									<u>Mud Salt</u>

Direct Surveys	#5	#6	#7	#8	#9	#10	#11	#12	#13
Depth	<u>2,800</u>	<u>3,233</u>	<u>3,750</u>	<u>4,285</u>	<u>4,918</u>	<u>5,300</u>	<u>5,579</u>	<u>6,276</u>	<u>6,900</u>
Inclination	<u>2.40</u>	<u>2.01</u>	<u>1.72</u>	<u>2.07</u>	<u>2.76</u>	<u>2.76</u>	<u>2.53</u>	<u>1.79</u>	<u>1.83</u>
Direction									

Pumps	Pump No.	Model	SPM	Pressure	Gal/Str	GPM	BPM	AVDP	AVDC
	<u>1</u>	<u>MOMCO-F-100</u>	<u>120.0</u>	<u>1650</u>	<u>3.48</u>	<u>418</u>	<u>9.94</u>	<u>#REF!</u>	<u>#REF!</u>
	<u>2</u>	<u>NAT-8-P80</u>	<u>0.0</u>	<u>0</u>	<u>3.12</u>				

Slow P. Rate	Depth	SPM	BPM	Pressure	Mud Volumes	Hole	Pits	Total
						<u>407</u>	<u>520</u>	<u>927</u>

Drill String	Length	OD	ID	Wt/Ft	Eff. Wt.	Drill Pipe	Size	Grade	Weight
Drill Collars	<u>458.69</u>	<u>6 1/4</u>	<u>2.000</u>	<u>93.71</u>	<u>36,551</u>		<u>4.50</u>	<u>Grade</u>	<u>16.60</u>
	<u>Static</u>	<u>Slack-off</u>	<u>Pick-up</u>				<u>On Loc.</u>	<u>On Rack</u>	<u>In Hole</u>
String Weight						<u>Drill Pipe Joints</u>			<u>203</u>

BHA	Item	Bit	MOTOR	15X61/4"DC	Total
	<u>Length</u>	<u>1.00</u>		<u>458.69</u>	
	<u>OD</u>	<u>7.875</u>		<u>6.250</u>	
	<u>ID</u>			<u>2.000</u>	

From	To	Hours	Description of Operations
<u>600</u>	<u>930</u>	<u>3.50</u>	<u>TRIP IN HOLE.</u>
<u>930</u>	<u>1300</u>	<u>3.50</u>	<u>CIRC &amp; COND MUD (WT 9.9+ VIS 46 LCM 12%)</u>
<u>1300</u>	<u>1730</u>	<u>4.50</u>	<u>TRIP OUT F/ LOGS.</u>
<u>1730</u>	<u>1830</u>	<u>1.00</u>	<u>SAFTY MEETING, R/U/LOGGING TOOLS.</u>
<u>1830</u>	<u>2100</u>	<u>2.50</u>	<u>LOG ( BRIDGE 1240' ) L/D LOGGING TOOLS</u>
<u>2100</u>	<u>2400</u>	<u>3.00</u>	<u>TRIP T/ 1400' CLEAN OUT BRIDGE F/1240' T/ 1400'</u>
<u>2400</u>	<u>430</u>	<u>4.50</u>	<u>R/U LOGERS &amp; LOG ( LOGS STOPED 4000' ( HOLE STICKY PULL OUT OF HOLE )</u>
<u>430</u>	<u>600</u>	<u>1.50</u>	<u>TRIP IN HOLE.</u>
<u>0</u>		<u>-</u>	
<u>0</u>		<u>-</u>	
<u>0</u>		<u>-</u>	
<u>0</u>		<u>-</u>	
<u>0</u>		<u>-</u>	
<u>0</u>		<u>-</u>	
<u>0</u>		<u>-</u>	
<u>0</u>		<u>-</u>	
<u>0</u>		<u>-</u>	
<u>Total</u>		<u>24.00</u>	

Other <u>REC 3000 GAL FUEL</u>	<b>Well Costs</b>
	Previous Total <u>435,069</u>
	Daily Cost <u>52,886</u>
	Cumulative Total <u>487,955</u>

Reported By: D.A CHIVERS

Company: 0

Flying J Oil & Gas Inc.  
333 West Center Street  
North Salt Lake, Utah 84054  
Phone: (801)296-7700, Fax: (801)296-7888



**FLYING J OIL & GAS INC.  
DAILY DRILLING COSTS**

Well Name & No. ULT 4-31

Contractor & Rig No. PIONEER # 59

Date 08/06/08

Legal Location NWNW Section 31 T 3S R 23

Report No. 12

County UINTAH State UT GLE 5041 KBE 5058

Spud Date 07/16/08

<u>Accounting Code</u>	<u>Cost Description</u>	<u>Daily Costs</u>	<u>Cumulative Costs</u>
8544.01	Site, ROW and Damages		53,000
8544.02	Footage or Contract		43,855
8544.03	Day Rate or Rig Time	17,000	151,512
8544.04	Bits and Reamers		22,605
8544.05	Electronic Surveys & Logs	27,713	27,713
8544.06	Drill Stem Test & Core Analysis		-
8544.07	Electricity		-
8544.08	Fuel	1,706	26,606
8544.09	Cementing & Services		12,224
8544.10	Rentals	1,180	10,370
8544.11	Drilling Mud & Additives	1,252	41,864
8544.12	Move In & Out, Rig Setup		27,250
8544.13	Onsite Housing or Camp		-
8544.14	Fishing Tools & Services		-
8544.15	Geologic, Engineering, Mud Logging	750	4,500
8544.16	Supervision	1,275	11,475
8544.17	Directional Services and Equipment		-
8544.18	Trucking		475
8544.22	Casing Rig & Crew		-
8544.23	Water	2,010	12,408
8544.24	Contract Labor		6,888
8544.27	Disposal		515
8544.34	Miscellaneous Services & Materials		2,525
8544.37	Overhead		-
8544.40	Insurance		-
8544.45	Safety & Environmental		-
8543.01	Conductor & Surface Casing		25,671
8543.02	Intermediate Casing		-
8543.03	Other Subsurface Casing		-
8543.04	Drill Pipe and Tubing		-
8543.05	Wellhead		6,500
8543.34	Miscellaneous Tangible Materials		-
<b>Total</b>		<b>52,886</b>	<b>487,955</b>

Reported By: D.A.CHIVERS

Company: \_\_\_\_\_

Flying J Oil & Gas Inc.  
333 West Center Street  
North Salt Lake, Utah 84054  
Phone: (801)296-7700, Fax: (801)296-7888



43-047-40017

**Mark Reinbold - ULT 4-31 SWD Conversion Procedures**

**From:** Dustin Doucet  
**To:** rhaefele@uteenergy.com  
**Date:** 6/25/2012 9:20 AM  
**Subject:** ULT 4-31 SWD Conversion Procedures  
**CC:** Reinbold, Mark

Rich,

I was just going over the referenced procedure you sent in with Mark Reinbold and had some concerns. Our rules require a minimum 100' cement plug isolating the productive intervals immediately above the perfs. Your procedure only calls for a CIBP at 5000' with 5' cement on top. At a minimum you will need a 100' cement plug from ~6300' to 6200' to isolate the perfs. You can set a CIBP if you like (recommended), but will have to tag if you balance the plug without CIBP. You also need to isolate the bottom of the injection interval which would require a minimum 100' plug as well. Not sure if this is around 5000' as you proposed in the submitted docs or a little closer to your proposed injection perfs. You may want to discuss that aspect with Mark a little more. It depends what the approved injection interval will be. If it goes down to 5000' then that is probably fine, if it goes only to 4410' then it probably needs to be moved uphole. Let me know if you have questions. Thanks.

Dustin

Dustin K. Doucet  
Petroleum Engineer  
Utah Division of Oil, Gas and Mining  
Oil and Gas Program  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84116

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fax: (801) 359-3940  
email: [dustindoucet@utah.gov](mailto:dustindoucet@utah.gov)





## DESCRIPTION

## DEPTH

## WELLBORE

## WELL HISTORY

20" Conductor

58'

9-5/8" Surface Casing (12-1/4" Hole)  
23 jts 9-5/8" 36# J-55 STC

754'

9-5/8" Surface Casing Cementing  
Lead: 375 sxs 92 bblsCmt Top  
Surface

## 2-7/8" 6.5# J-55 8rd EUE Tubing Detail as of

Item	Description	RKB	Length	Depth
5	Tubing Spool to Ground Level Adjustment			
4	Tubing Spool to Original RKB Adjustment			
3	WHI 2-1/16" x 5M Tapered Tubing Hanger			0.00'
2	2-3/8" 4.7# N-80 8rd EUE		4,230.00'	0.00'
1	Packer			4,230.00'
				4,230.00'
				4,230.00'
				4,230.00'
				4,230.00'
				4,230.00'
136 jts	End of Tubing		4,230.00'	4,230.00'

CBL

660'

PKR

4,230'

4,248'	4,253'
4,260'	4,265'
4,270'	4,275'
4,280'	4,310'
4,315'	4,340'
4,350'	4,375'
4,380'	4,390'
4,395'	4,410'

CMT  
CIBP5005'  
5000'

Oct 2008

Open  
Open  
Open  
OpenL. Green  
River

4" HSC: 23g; ph = 1200; d = 0.42"

6 shots	3 spf	2'	6,335'	6,337'
6 shots	3 spf	2'	6,454'	6,456'
9 shots	3 spf	3'	6,466'	6,469'
6 shots	3 spf	2'	6,478'	6,480'

140,900# 16/30 1,478 bbls

ISIP: 0 psi 0.00 psi/ft CBP: 0'

20# X-Linked Borate Gell Job, Jordan-Unimin Sand

Nov 2008

Open  
Open  
Open  
Open  
OpenL. Green  
River

4" HSC: 23g; ph = 1200; d = 0.42"

9 shots	3 spf	3'	6,565'	6,568'
6 shots	3 spf	2'	6,578'	6,580'
9 shots	3 spf	3'	6,612'	6,615'
6 shots	3 spf	2'	6,621'	6,623'
6 shots	3 spf	2'	6632	6634

116,084# 20/40 1,387 bbls

ISIP: 0 psi 0.00 psi/ft CBP: 0'

20# X-Linked Borate Gell Job, Jordan-Unimin Sand

5-1/2" 17# N-80 &amp; P-110 Production Casing

5-1/2" 17# N-80 LTC  
7-7/8" Production Hole: 754'6,900'  
6,900'

PBTD: 6,856'

5-1/2" Production Casing Cementing  
Lead: 375 sxs 346 bbls  
Tail: 340 sxsHi-Fill  
ExtendaCemCmt Top  
660'

WELL:

Ult 4-31

LOCATION:

NWNE 31 3S 2E  
FNL: 663' FWL: 664' GL: 5,041' KB: 5,059'

FORMATION:

Lower Green River

API #:

43-047-40017

Field:

Randlett

CLASSIFICATION:

SWD

CURRENT STATUS:

SWD

WI:  
NRI:Spud: 07/16/08  
TD: 07/25/08  
RR: 07/27/08  
1st Sales: 11/11/08  
Updated: 02/29/12 JNJRig: Pioneer #59  
Rate:

## TUBULAR DATA

Type	Size	Weight	Grade	Top	Bottom	Burst	Collapse
Surface	9 5/8	36.0 ppf	J-55	0	754'	3,520 psi	2,020 psi
Production	5 1/2"	17.0 ppf	HCP-110	0	6,900'	10,640 psi	8,580 psi
Tubing	2 7/8	6.5 ppf		0			

				ID	Drift	bbls/ft	Capacity
Surface	9 5/8	36.0 ppf	J-55	8.921"	8.765"	0.0773 bpf	58 bbls
Production	5 1/2	17.0 ppf	HCP-110	4.892"	4.767"	0.0232 bpf	160 bbls
Tubing	2 7/8	6.5 ppf	0			0.0000 bpf	0 bbls

## DEVIATION SURVEY

Depth	Angle	Dir	TYD	North	East	VS	DLS
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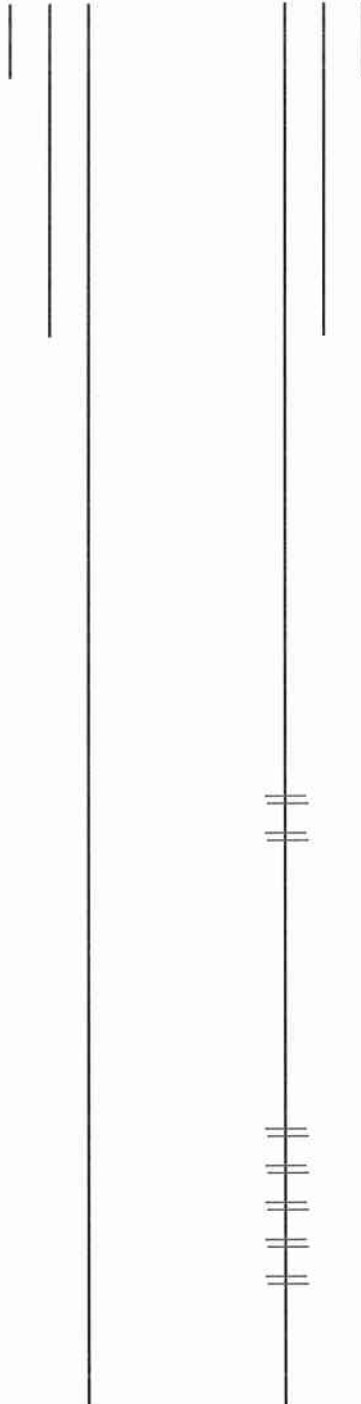


## Prior to Plug and Abandon

Randlett 1: API 43-047-30086-0000

Gulf Oil Corporation

SESW Section 30, T3S, R2E



5,051' KB

30' - 16" Conductor

Cement to surface

523' - 9 5/8" 36# surface casing

Cement to Surface

5,824 - 5,844' 2 Jets/foot (Squeezed off) w/125 sks cement (original completion 10-6-70)

5,870 - 5,880' 4 Jets/foot (Squeezed Off) w/100 sks cement (original completion 10-6-70)

6,506 - 6,516' (recomplete 12/31/70)

6,596 - 6,604' (recomplete 12/31/70)

6,608 - 6,616' (recomplete 12/31/70)

6,684 - 6,704' 2 Jets/foot. Breakdown with acid, diesel, sand frac (original completion)

6,793 - 6,803' (recomplete 12/31/70)

6,878' - 5 1/2" Production Csg

Cemented w/750 sks cement

PBTD: 6,830'

TD: 8585'

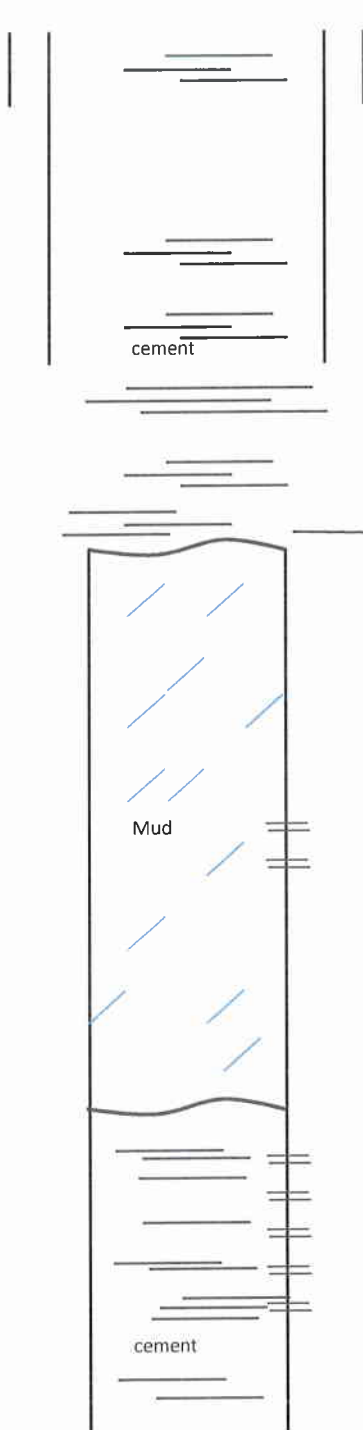


## Post Plug and Abandon

**Randlett 1: API 43-047-30086-0000**

Gulf Oil Corporation

SESW Section 30, T3S, R2E



5,051' KB

**Capped Surface Casing w/10 sks cement 4/23/1972**

30' - 16" Conductor

Cement to surface

523' - 9 5/8" 36# surface casing

Cement to Surface

**551' Spot 41 sks cement (25% out & 75% in casing) 4/23/1972**

**2,000' Spot 55 sks cement 4/23/1972**

**3,541' Spot 26 sks cement across casing stub 4/23/1972**

**Shot production casing off @ 3,497' 4/23/1972**

**Circulated Hole with Mud 4/23/1972**

### Plug and Abandon Completed Operations:

Plug and abandon temporarily abandoned oil well. With tubing at 6815' spotted 52 sks cement. Subsequently found top of cement at 6483'. Circulated hole with mud. Shot off casing @ 3497'. Recovered 108 jts 5-1/2" csg. With tubing set at 3541' spotted 26 sks cement across casing stub. With tubing at 2000', spotted 55 sks cement. With tubing at 551' spotted 41 sks cement (25% out & 75% in casing.) Capped surface casing w/ 10 sks cement. Installed dry hole marked. Surface restored. Location ready for inspection.

5,824 - 5,844' 2 Jets/foot (Squeezed off) w/125 sks cement (original completion 10-6-70)

5,870 - 5,880' 4 Jets/foot (Squeezed Off) w/100 sks cement (original completion 10-6-70)

**6,483' Spotted 52 Sxs Cement 4/23/1972**

6,506 - 6,516' (recomplete 12/31/70)

6,596 - 6,604' (recomplete 12/31/70)

6,608 - 6,616' (recomplete 12/31/70)

6,684 - 6,704' 2 Jets/foot. Breakdown with acid, diesel, sand frac (original completion)

6,793 - 6,803' (recomplete 12/31/70)

6,878' - 5 1/2" Production Csg

Cemented w/750 sxs cement

PBTD: 6,830'

TD: 8585'

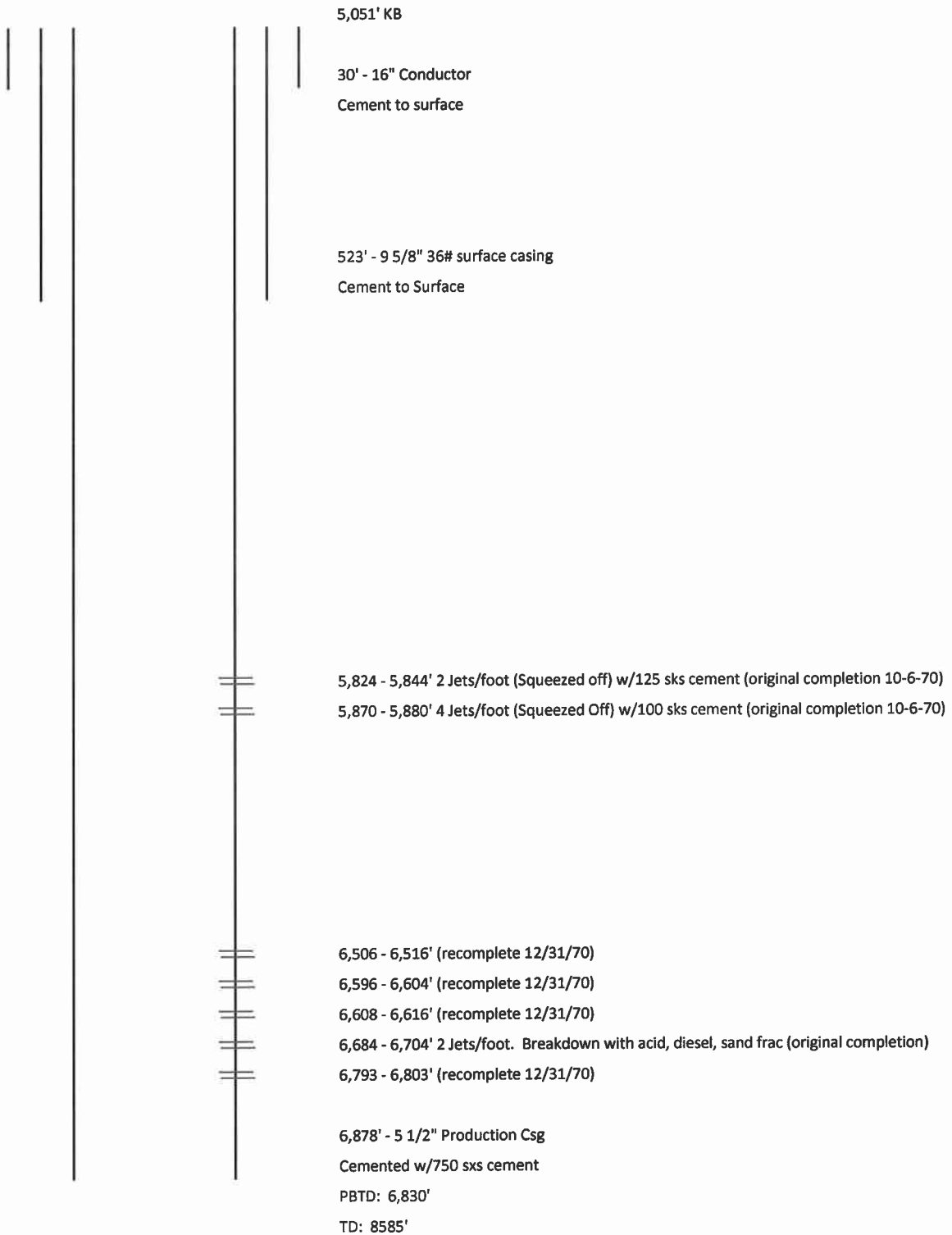


## Prior to Plug and Abandon

**Randlett 1: API 43-047-30086-0000**

Gulf Oil Corporation

SESW Section 30, T3S, R2E



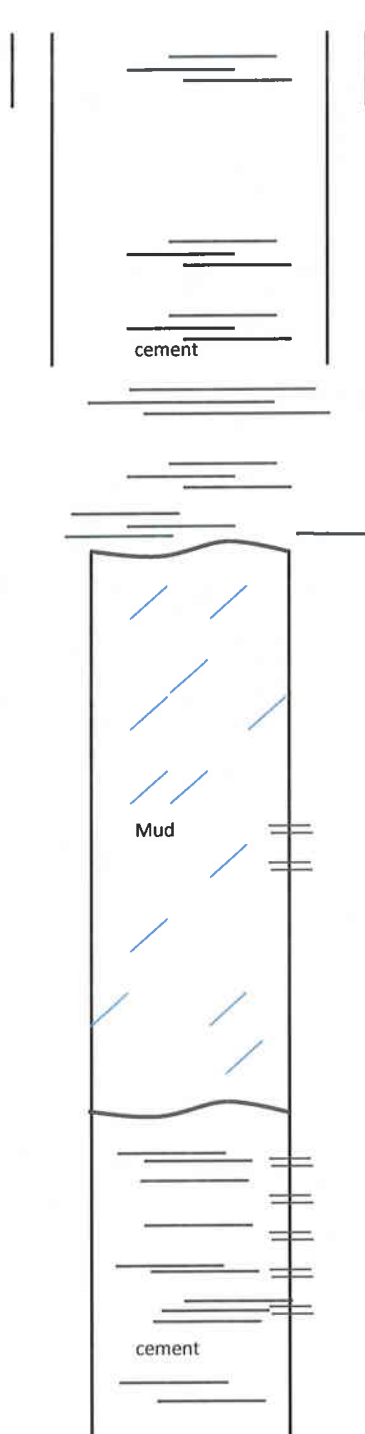


## Post Plug and Abandon

**Randlett 1: API 43-047-30086-0000**

Gulf Oil Corporation

SESW Section 30, T3S, R2E



5,051' KB

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6,793 - 6,803' (recomplete 12/31/70)

6,878' - 5 1/2" Production Csg

Cemented w/750 sxs cement

PBTD: 6,830'

TD: 8585'



DESCRIPTION										DEPTH	WELLBORE	WELL HISTORY													
16" Conductor										60'															
8-5/8" Surface Casing (12-1/4" Hole)										19 Jts 8-5/8" 24# J-55 STC	812'	8-5/8" Surface Casing Cementing													
Lead:										500 sxs		102 bbls		Cmt Top		Surface									
2-7/8" 4.5# J-55 8rd EUE Tubing Detail as of																									
Item	Description		Length		Depth																				
1	2-7/8" 8rd NW machine Pump-Off sub		7,634.00'		0.00'																				
End of Tubing										0.00'		7,634.00'													
234 Jts																									
CBL										168'															
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										3 shots 3 spf 1' 6,768' 6,767'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										3 shots 3 spf 1' 6,777' 6,778'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										3 shots 3 spf 1' 6,788' 6,787'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										3 shots 3 spf 1' 6,798' 6,799'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										3 shots 3 spf 1' 6,809' 6,810'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										3 shots 3 spf 1' 6,815' 6,816'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										3 shots 3 spf 1' 6,825' 6,826'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										6 shots 3 spf 2' 6,834' 6,836'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										6 shots 3 spf 2' 6,854' 6,856'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										3 shots 3 spf 1' 6,931' 6,932'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										6 shots 3 spf 2' 6,946' 6,948'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										3 shots 3 spf 1' 6,958' 6,959'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										3 shots 3 spf 1' 6,987' 6,988'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										3 shots 3 spf 1' 6,980' 6,981'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										6 shots 3 spf 2' 7,044' 7,046'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										6 shots 3 spf 2' 7,060' 7,062'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										3 shots 3 spf 1' 7,230' 7,231'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										6 shots 3 spf 2' 7,240' 7,242'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										3 shots 3 spf 1' 7,251' 7,252'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										6 shots 3 spf 2' 7,266' 7,268'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										3 shots 3 spf 1' 7,307' 7,308'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										3 shots 3 spf 1' 7,317' 7,318'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										6 shots 3 spf 2' 7,348' 7,350'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										3 shots 3 spf 1' 7515' 7516'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										3 shots 3 spf 1' 7527' 7528'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										6 shots 3 spf 2' 7542' 7544'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										3 shots 3 spf 1' 7580' 7581'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										6 shots 3 spf 2' 7652' 7654'		#													
3- 1/8" Exp: 21g; ph = 120"; d = 0.36"										6 shots 3 spf 2' 7678' 7680'		#													
5-1/2" 17# E-80 Production Casing										5-1/2" 17# E-80 7,801'		PBTD: 7,782'		5-1/2" Production Casing Cementing		Cmt Top		Hi-Fill 168'							
7-7/8" Production Hole:										812'		7,980'		MW: 9.4 ppg		Tail 450 sxs 135 bbls		ExtendaCem							

Ute Energy

WELL: ULT 12-31-3-2E

LOCATION: NWSW 31 3S 2E  
FSL: 1979 FWL: 657 GL: 5,048' KB: 5,080'

FORMATION: Lower Green River

API #: 43047515850000

Field: Randlett

CLASSIFICATION: Oil Well

CURRENT STATUS: Producing

Spud: 08/14/11 Rig: Capstar #316

TD: 09/12/11

RR: 09/15/11

1st Sales: 10/27/11

Updated: 06/20/12 CRB

WI:

NRI:

TUBULAR DATA

Type	Size	Weight	Grade	Top	Bottom	Burst	Collapse
Surface	8 5/8	24.0 ppf	J-55	0	812'	2,950 psi	1,370 psi
Production	5 1/2"	17.0 ppf	E-80	0	7,801'	7,740 psi	6,280 psi
Tubing	2 7/8	6.5 ppf	J-55	0	7,634'	11,200 psi	11,780 psi

ID 8.097" Drift 7.972"

Production 5 1/2 17.0 ppf E-80 4.892" 4.787"

Tubing 2 7/8 6.5 ppf J-55 2.441" 2.347"

bbls/ft 0.0636 bpf 52 bbls

0.0232 bpf 181 bbls

0.0058 bpf 44 bbls

DEVIATION SURVEY

Depth	Angle	Dir	TVD	North	East	VS	DLS
-------	-------	-----	-----	-------	------	----	-----

DEVIATION SURVEY



**Mark Reinbold - ULT 4-31 Water Analysis (Nalco) Milli Equiv. / Liter**

---

**From:** Andrea Newman <adnewman@nalco.com>  
**To:** "markreinbold@utah.gov" <markreinbold@utah.gov>  
**Date:** 6/20/2012 9:58 AM  
**Subject:** ULT 4-31 Water Analysis (Nalco) Milli Equiv. / Liter  
**Attachments:** Run 12 5th Sample 4 45 pm 48 bbls.pdf; Run 8 1 st Sample 12 45 pm 38 bbls.pdf; Run 9 2nd Sample 1 35 pm 43 bbls.pdf; Run 10 3rd Sample 2 45 pm 45 bbls.pdf; Run 11 4th Sample 3 45 pm 47 bbls.pdf

---

Mark,

Please see the attached summaries from ScaleSoftPitzer. The Cations & Anions are listed in the standardized units of mg/l in the summary heading. These are grouped according to charge and then a value is assigned based on ICP analysis expressed by weight (mg/l). Cations are lighter in weight than Anions and therefore will have a lower value.

**For example; Run 8/ 1<sup>st</sup> Sample/ 12:45 PM 38 bbls**

Cations: +35,032.3 mg/l (total)

Anions: -90,352.0 mg/l (total)

In regards to ascertaining if the Cations & Anions balance electrically we need to use milli. equivalents/ liter which takes into account both the molecular or atomic weight of the species you're interested in and it's valence-for example sodium has an atomic weight of 23 and a valence of 1 (the ion is +1), whereas carbonate has a molecular weight of 60 and a valence of 2 (= equivalence of 30). The ScaleSoftPitzer software will do these calculations as a "Quality Control Check at STP" Standard Temperature and Pressure. I have used this function for each of the water analysis' for the ULT 4-31 and posted the results in blue at the top of the report.

**For example; Run 8/ 1<sup>st</sup> Sample/ 12:45 PM 38 bbls**

Milli Equiv./ Liter Cations= +1.519

Milli Equiv./ Liter Anions= -1.659

(Cations & Anions within 8.4% of each other)

The discrepancy here between these two values is within the acceptable range (around 10%) and usually due to acid gases not in the sample (e.g. CO<sub>2</sub>, ammonia etc.). Overall average between all 5 samples is 13% which most likely can be attributed to acid gases not in the sample, and the method the samples were gathered by (swabbing) and the subsequent variability introduced. In summary, I believe the lab and ScaleSoftPitzer analysis' reflect the water that was sampled.

This is an explanation that was sent to UTE in regards to the samples we spoke about. It answers your questions about the balancing of Cations and Anions. The data in the tables that you sent Mg specifically you asked about is actually the raw data that the ICP reports. The Significant figures are reported out as such from the instrument and then we report out 4 Significant figures on the reports. The detection limits really don't have anything to do with that what you are looking at in those tables it is the raw data from the instrument itself. I hope this helps answers your questions. Please let me know if I can do anything else for you.

Regards,



Andrea Newman  
Lab Manager  
Nalco Company  
435-789-2069





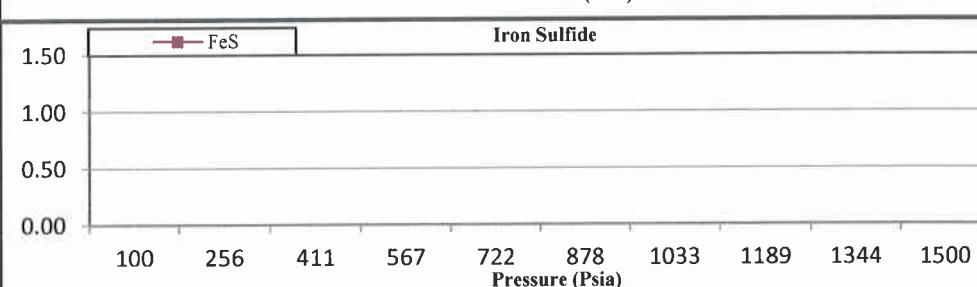
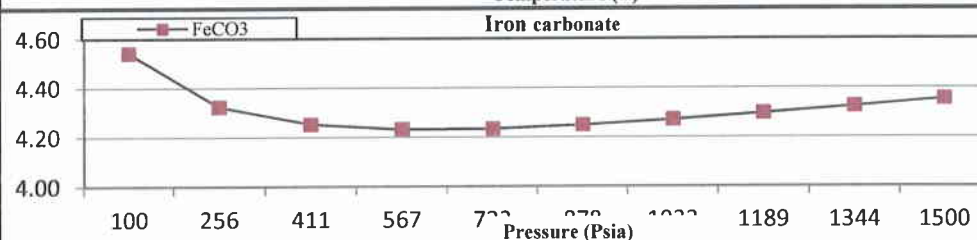
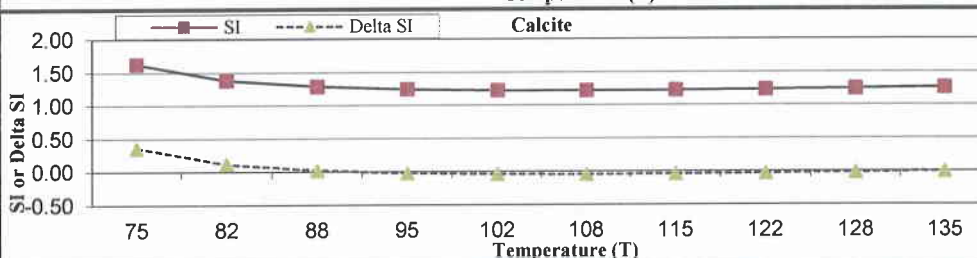
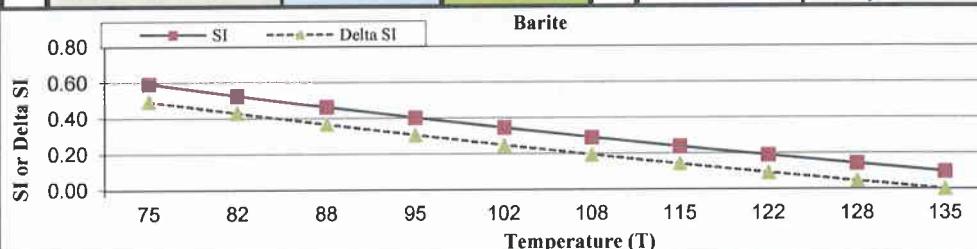
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## Water Analysis Report

Field : **Randelette** Sample Date : **3/25/2012**  
 County : **Uintah, UT** Formation :  
 Location : **4-31** Rock Type :  
 Lab ID : **Depth :** **Analysed Date: 5/18/2012**  
 Run 12/5th Sample/4:45 PM 48 bbls Resistivity = .264 (Milli Equiv./ Liter Cations=+1.161, Anions=-1.144)

CATIONS	mg/l	Measured	Calculated	ANIONS	mg/l
Potassium	183.0	Total Dissolve Solid	62464.51	Sulfate	440.0
Sodium	26,517.0	Total Hardness	106.73	Chloride	15,800.0
Calcium	9.4	PH	8.63	Carbonate	0.0
Magnesium	20.3	Total H2S aq	0.00	Bicarbonate	42,029.0
Iron	16.3	Manganese	0.16	Bromide	0.0
Barium	2.9	PO4 Residual	0.00	Organic Acids	0.0
Strontium	4.2	SRB Vials Turned	0.00	Hydroxide	0.0
<b>SUM +</b>	<b>26,753.1</b>	APB Vials Turned	0.00	<b>SUM -</b>	<b>58,269.0</b>

Initial(BH)	Final(WH)
<b>Saturation Index values</b>	
<b>Calcite (CaCO<sub>3</sub>)</b>	
1.27	1.63
<b>Barite (BaSO<sub>4</sub>)</b>	
0.10	0.59
<b>Halite (NaCl)</b>	
-2.32	-2.26
<b>Gypsum</b>	
-3.13	-3.08
<b>Hemihydrate</b>	
-3.71	-3.84
<b>Anhydrite</b>	
-3.12	-3.32
<b>Celestite</b>	
-2.30	-2.26
<b>Iron Sulfide</b>	
0.00	0.00
<b>Zinc Sulfide</b>	
0.00	0.00
<b>Calcium fluoride</b>	
0.00	0.00
<b>Iron Carbonate</b>	
4.36	4.54
<b>Inhibitor needed (mg/L)</b>	
Calcite	NTMP
0.19	0.20
Barite	BHPMP
0.00	0.00



Lab Manager: Andrea Craig  
 Analysis by:





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## Water Analysis Report

Field : Randelette Sample Date : 3/25/2012  
 County : Uintah, UT Formation :  
 Location : 4-31 Rock Type :  
 Lab ID : Depth : Analysed Date: 5/18/2012  
 Run 8/1st Sample/12:45 PM 38 bbls Resistivity = .280 (Milli Equiv./ Liter Cations=+1.519, Anions=-1.659)

CATIONS	mg/l	Measured	Calculated	ANIONS	mg/l
Potassium	231.6	Total Dissolve Solid	85956.02	Sulfate	200.0
Sodium	34,647.1	Total Hardness	94.16	Chloride	15,000.0
Calcium	23.1	PH	8.80	Carbonate	0.0
Magnesium	8.9	Total H2S aq	0.00	Bicarbonate	75,152.0
Iron	80.4	Manganese	0.47	Bromide	0.0
Barium	40.2	PO4 Residual	0.00	Organic Acids	0.0
Strontium	1.1	SRB Vials Turned	0.00	Hydroxide	0.0
<b>SUM +</b>	<b>35,032.3</b>	APB Vials Turned	0.00	<b>SUM -</b>	<b>90,352.0</b>

Initial(BH) Final(WH)

### Saturation Index values

Calcite (CaCO<sub>3</sub>)

2.41 2.54

Barite (BaSO<sub>4</sub>)

0.48 0.98

Halite (NaCl)

-2.26 -2.20

Gypsum

-3.33 -3.28

Hemihydrate

-3.91 -4.03

Anhydrite

-3.31 -3.51

Celestite

-3.62 -3.58

Iron Sulfide

0.00 0.00

Zinc Sulfide

0.00 0.00

Calcium fluoride

0.00 0.00

Iron Carbonate

5.66 5.62

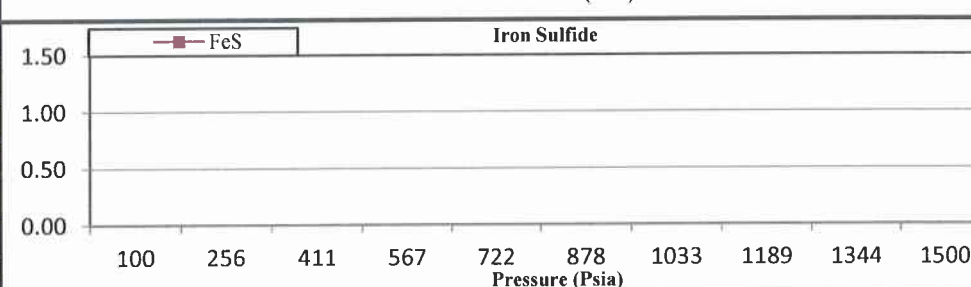
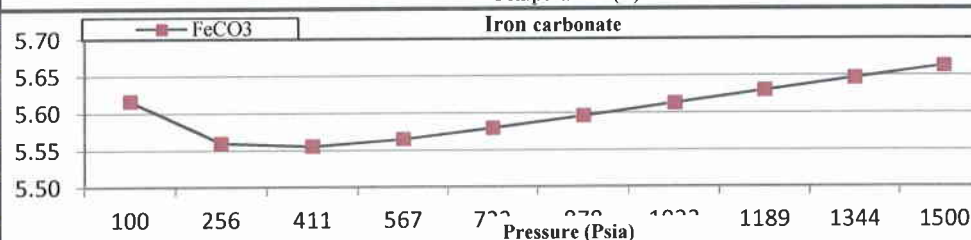
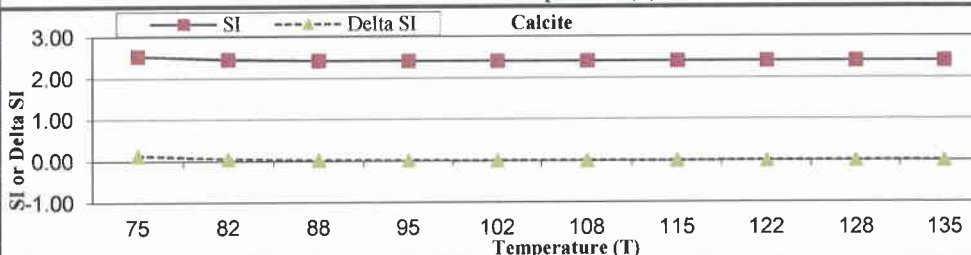
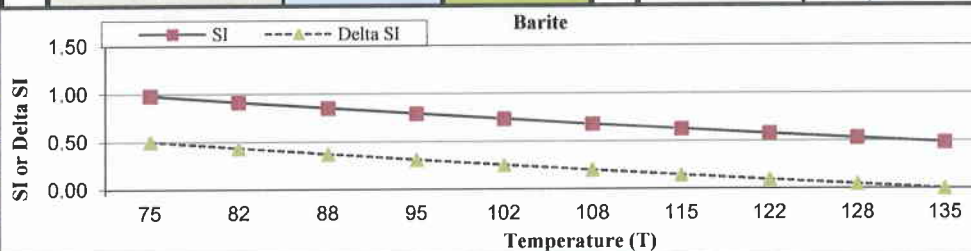
Inhibitor needed (mg/L)

Calcite NTMP

18.26 8.01

Barite BHPMP

0.00 0.00



Lab Manager: Andrea Craig

Analysis by:





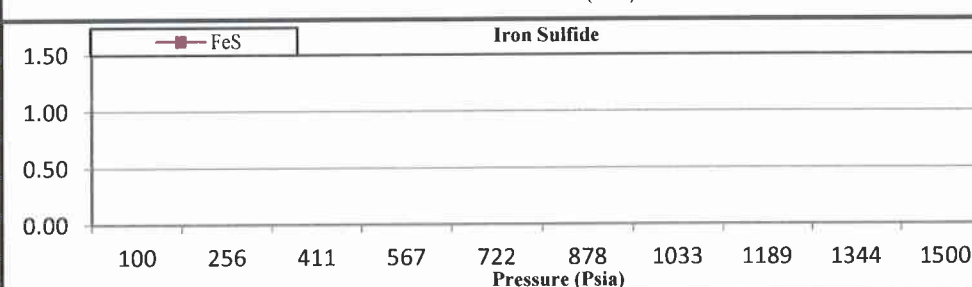
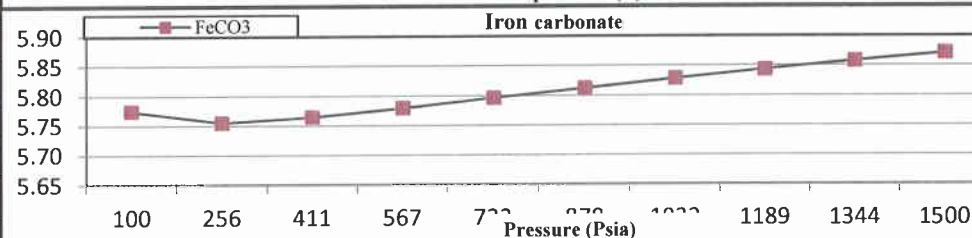
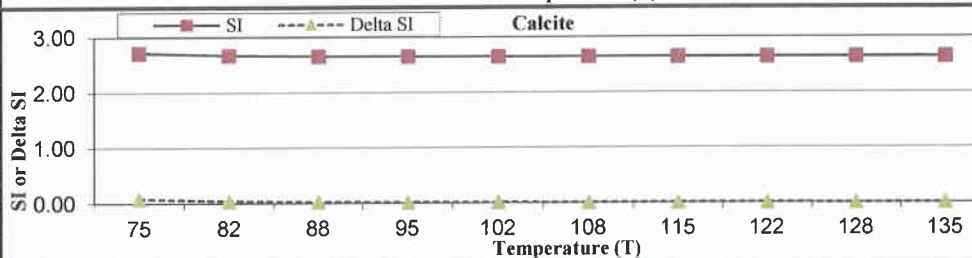
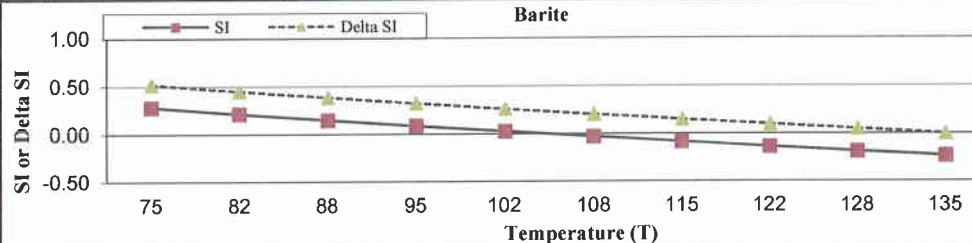
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## Water Analysis Report

Field : Randelette Sample Date : 3/25/2012  
 County : Uintah, UT Formation :  
 Location : 4-31 Rock Type :  
 Lab ID : Depth : Analysed Date: 5/18/2012  
 Run 9/2nd Sample/1:35 PM 43 bbls Resistivity = .210 (Milli Equiv./ Liter Cations=+1.462, Anions=-2.316)

CATIONS	mg/l	Measured	Calculated	ANIONS	mg/l
Potassium	254.2	Total Dissolve Solid	102020.40	Sulfate	70.0
Sodium	33,329.1	Total Hardness	83.29	Chloride	20,000.0
Calcium	20.8	PH	8.77	Carbonate	0.0
Magnesium	7.7	Total H2S aq	0.00	Bicarbonate	106,811.0
Iron	82.2	Manganese	0.75	Bromide	0.0
Barium	36.1	PO4 Residual	0.00	Organic Acids	0.0
Strontium	1.1	SRB Vials Turned	0.00	Hydroxide	0.0
<b>SUM +</b>	<b>33,731.1</b>	APB Vials Turned	0.00	<b>SUM -</b>	<b>126,881.0</b>

Initial(BH)	Final(WH)
<b>Saturation Index values</b>	
<b>Calcite (CaCO<sub>3</sub>)</b>	
2.64	2.72
<b>Barite (BaSO<sub>4</sub>)</b>	
-0.24	0.28
<b>Halite (NaCl)</b>	
-2.16	-2.11
<b>Gypsum</b>	
-3.91	-3.83
<b>Hemihydrate</b>	
-4.48	-4.58
<b>Anhydrite</b>	
-3.88	-4.06
<b>Celestite</b>	
-4.26	-4.20
<b>Iron Sulfide</b>	
0.00	0.00
<b>Zinc Sulfide</b>	
0.00	0.00
<b>Calcium fluoride</b>	
0.00	0.00
<b>Iron Carbonate</b>	
5.87	5.77
<b>Inhibitor needed (mg/L)</b>	
Calcite	NTMP
43.53	16.57
Barite	BHPMP
0.00	0.00



Lab Manager: Andrea Craig  
 Analysis by:





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## Water Analysis Report

Field : Randelette Sample Date : 3/25/2012  
 County : Uintah, UT Formation :  
 Location : 4-31 Rock Type :  
 Lab ID : Depth : Analysed Date: 5/18/2012  
 Run 10/3rd Sample/2:45 PM 45 bbls Resistivity = .274 (Milli Equiv./ Liter Cations=+1.482, Anions=-1.770)

CATIONS	mg/l	Measured	Calculated	ANIONS	mg/l
Potassium	217.5	Total Dissolve Solid	87416.37	Sulfate	200.0
Sodium	33,841.3	Total Hardness	78.22	Chloride	15,300.0
Calcium	20.4	PH	8.76	Carbonate	0.0
Magnesium	6.6	Total H2S aq	0.00	Bicarbonate	81,374.0
Iron	69.9	Manganese	0.60	Bromide	0.0
Barium	27.0	PO4 Residual	0.00	Organic Acids	0.0
Strontium	1.0	SRB Vials Turned	0.00	Hydroxide	0.0
<b>SUM +</b>	<b>34,183.7</b>	APB Vials Turned	0.00	<b>SUM -</b>	<b>96,874.0</b>

Initial(BH) Final(WH)

### Saturation Index values

Calcite (CaCO<sub>3</sub>)

2.37 2.52

Barite (BaSO<sub>4</sub>)

0.27 0.78

Halite (NaCl)

-2.26 -2.21

Gypsum

-3.36 -3.31

Hemihydrate

-3.94 -4.06

Anhydrite

-3.35 -3.54

Celestite

-3.70 -3.65

Iron Sulfide

0.00 0.00

Zinc Sulfide

0.00 0.00

Calcium fluoride

0.00 0.00

Iron Carbonate

5.69 5.66

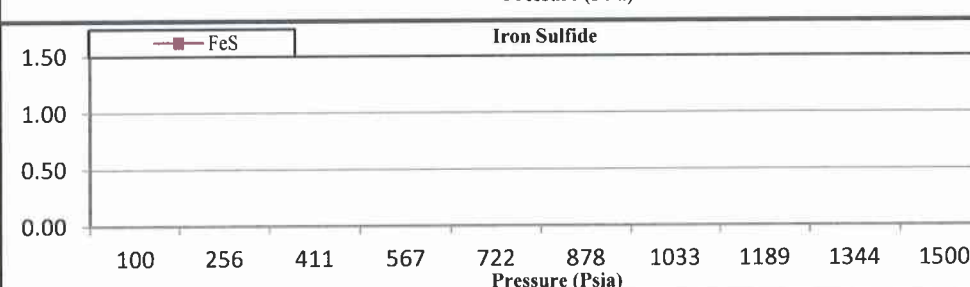
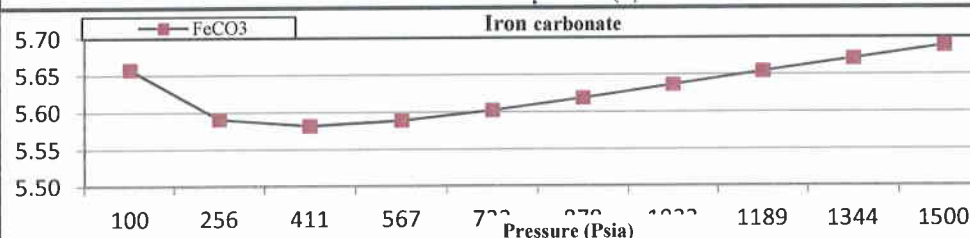
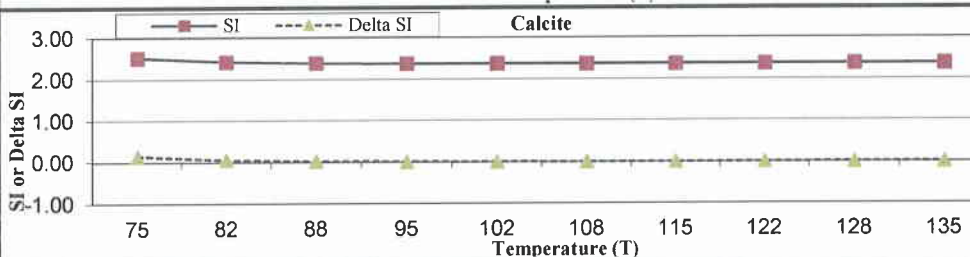
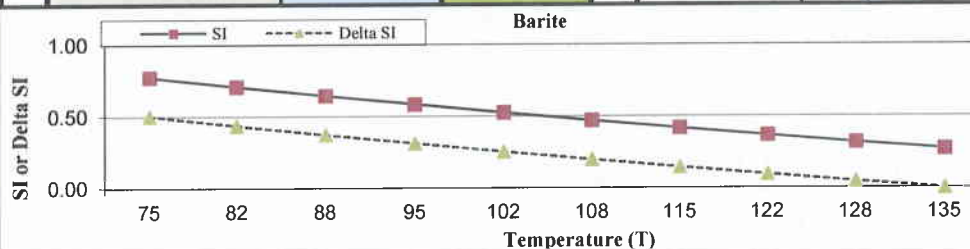
Inhibitor needed (mg/L)

Calcite NTMP

17.10 7.87

Barite BHPMP

0.00 0.00



Lab Manager: Andrea Craig

Analysis by:





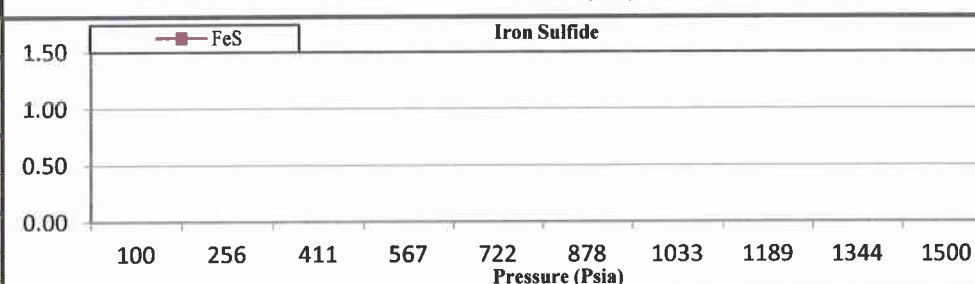
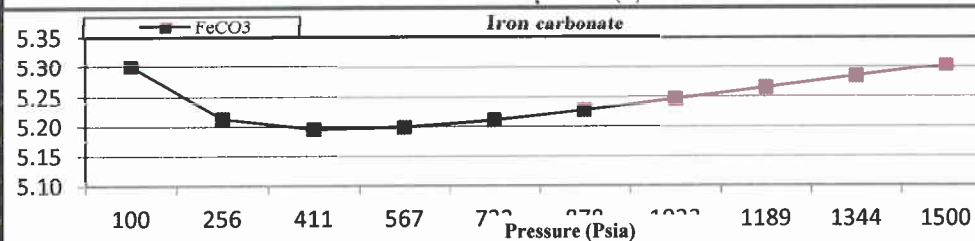
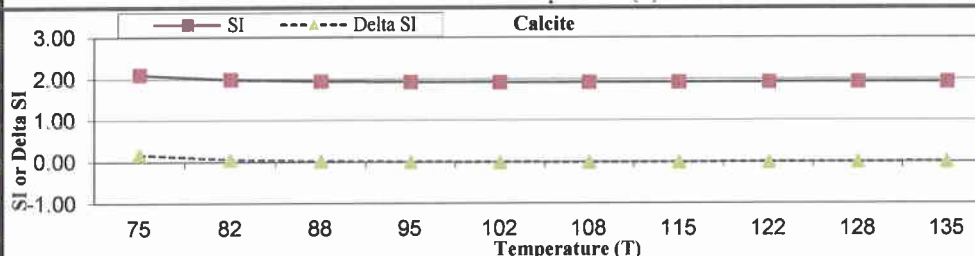
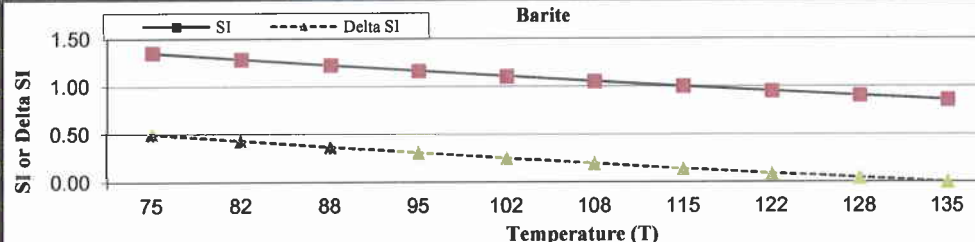
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## Water Analysis Report

Field : **Randelette** Sample Date : **3/25/2012**  
 County : **Uintah, UT** Formation :  
 Location : **4-31** Rock Type :  
 Lab ID : Depth : **Analysed Date: 5/18/2012**  
 Run 11/4th Sample/3:45 PM 47 bbls Resistivity = .281 (Milli Equiv./ Liter Cations=+1.490, Anions=-1.526)

CATIONS	mg/l		Measured	Calculated		ANIONS	mg/l
Potassium	224.5		82208.80	104325.02		Sulfate	1,170.0
Sodium	34,063.6	Total Dissolve Solid				Chloride	14,900.0
Calcium	10.6	Total Hardness		44.92		Carbonate	0.0
Magnesium	4.5	PH	8.78	8.78		Bicarbonate	66,002.0
Iron	45.4	Total H2S aq	0.00	0.00		Bromide	0.0
Barium	13.4	Manganese	0.30			Organic Acids	0.0
Strontium	0.8	PO4 Residual	0.00			Hydroxide	0.0
SUM +	34,362.8	SRB Vials Turned	0.00			SUM -	82,072.0
		APB Vials Turned	0.00				

Initial(BH)	Final(WH)
<b>Saturation Index values</b>	
<b>Calcite (CaCO<sub>3</sub>)</b>	
<b>1.93</b>	<b>2.10</b>
<b>Barite (BaSO<sub>4</sub>)</b>	
<b>0.86</b>	<b>1.35</b>
<b>Halite (NaCl)</b>	
<b>-2.26</b>	<b>-2.21</b>
<b>Gypsum</b>	
<b>-2.85</b>	<b>-2.81</b>
<b>Hemihydrate</b>	
<b>-3.43</b>	<b>-3.56</b>
<b>Anhydrite</b>	
<b>-2.84</b>	<b>-3.04</b>
<b>Celestite</b>	
<b>-2.93</b>	<b>-2.90</b>
<b>Iron Sulfide</b>	
<b>0.00</b>	<b>0.00</b>
<b>Zinc Sulfide</b>	
<b>0.00</b>	<b>0.00</b>
<b>Calcium fluoride</b>	
<b>0.00</b>	<b>0.00</b>
<b>Iron Carbonate</b>	
<b>5.30</b>	<b>5.30</b>
<b>Inhibitor needed (mg/L)</b>	
<b>Calcite</b>	<b>NTMP</b>
<b>3.12</b>	<b>1.49</b>
<b>Barite</b>	<b>BHPMP</b>
<b>0.05</b>	<b>0.06</b>



Lab Manager: **Andrea Craig**  
 Analysis by:



A  
North

6-30  
T3S R2E S30  
FLYING J O&G INC  
43047385000000

12-30  
T3S R2E S30  
FLYING J O&G INC  
43047400400000

4-31  
T3S R2E S31  
FLYING J O&G INC  
43047400170000

12-31-3-2E  
T3S R2E S31  
UTE ENERGY UPSTREAM  
43047515850000

12-6-4-2E  
T4S R2E S6  
UTE ENERGY UPSTREAM  
43047515710000

A'  
South

Subsea  
Depth(ft)  
1300

1200

1100

1000

900

800

700

600

500

400

300

200

100

0

-100

-200

-300

GREEN\_RIVER\_UPPER\_MARKER

MAHOOGANY\_BENCH

MAHOOGANY\_BASE

12-31-3-2E

12-31-3-2E

12-31-3-2E

Subsea  
Depth(ft)  
1300

1200

1100

1000

900

800

700

600

500

400

300

200

100

0

-100

-200

-300

GREEN\_RIVER\_UPPER\_MARKER

MAHOOGANY\_BENCH

MAHOOGANY\_BASE

12-31-3-2E

12-31-3-2E

12-31-3-2E

Subsea  
Depth(ft)  
1300

1200

1100

1000

900

800

700

600

500

400

300

200

100

0

-100

-200

-300

GREEN\_RIVER\_UPPER\_MARKER

MAHOOGANY\_BENCH

MAHOOGANY\_BASE

12-31-3-2E

12-31-3-2E

12-31-3-2E

Subsea  
Depth(ft)  
1300

1200

1100

1000

900

800

700

600

500

400

300

200

100

0

-100

-200

-300

GREEN\_RIVER\_UPPER\_MARKER

MAHOOGANY\_BENCH

MAHOOGANY\_BASE

12-31-3-2E

12-31-3-2E

12-31-3-2E

Subsea  
Depth(ft)  
1300

1200

1100

1000

900

800

700

600

500

400

300

200

100

0

-100

-200

-300

GREEN\_RIVER\_UPPER\_MARKER

MAHOOGANY\_BENCH

MAHOOGANY\_BASE

12-31-3-2E

12-31-3-2E

12-31-3-2E

Subsea  
Depth(ft)  
1300

1200

1100

1000

900

800

700

600

500

400

300

200

100

0

-100

-200

-300

GREEN\_RIVER\_UPPER\_MARKER

MAHOOGANY\_BENCH

MAHOOGANY\_BASE

12-31-3-2E

12-31-3-2E

12-31-3-2E

Ute Energy

4-31 SWD Proposal

Structural Cross Section

Horizontal Scale = 400 D  
Vertical Scale = 500  
Vertical Exaggeration = 8 Dv  
LOG SCALE

0.3 0.1 DPOR  
0 150 GR  
1 1,000 RILD  
0.3 0.1 DPRS  
0.3 0.1 NPRS  
0.3 0.1 NPHI

Well Number  
Twn-Rge-Sec  
Operator  
UWI

2012-06-12 10:54 AM

6/12/2012



6-30  
T3S R2E S30  
FLYING J O&G INC  
43047385000000

12-30  
T3S R2E S30  
FLYING J O&G INC  
43047400400000

4-31  
T3S R2E S31  
FLYING J O&G INC  
43047400170000

12-31-3-2E  
T3S R2E S31  
UTE ENERGY UPSTREAM  
43047515850000

12-6-4-2E  
T4S R2E S6  
UTE ENERGY UPSTREAM  
43047515710000

A<sup>1</sup>  
South

**Ute Energy**

**4-31 SWD Proposal**

**Stratigraphic cross-section A-A'**

**Base of the Mahogany Bench**

Horizontal Scale = 420.0  
Vertical Scale = 50.0  
Vertical exaggeration = 8.0x

**LOG CURVES**

0.3 -0.1 DPOR  
0 150 GR  
1 1,000 RILD  
0.3 -0.1 DPRS  
0.3 -0.1 NPRS  
0.3 -0.1 NPFI

**Well Number**  
**Twn-Rge-Sec**  
**Operator**  
**UWI**

**FRESHNESS COLOR/FILL CAPAC. LOGICAL CORREL.**

DPOR GR RILD DPRS NPRS NPFI

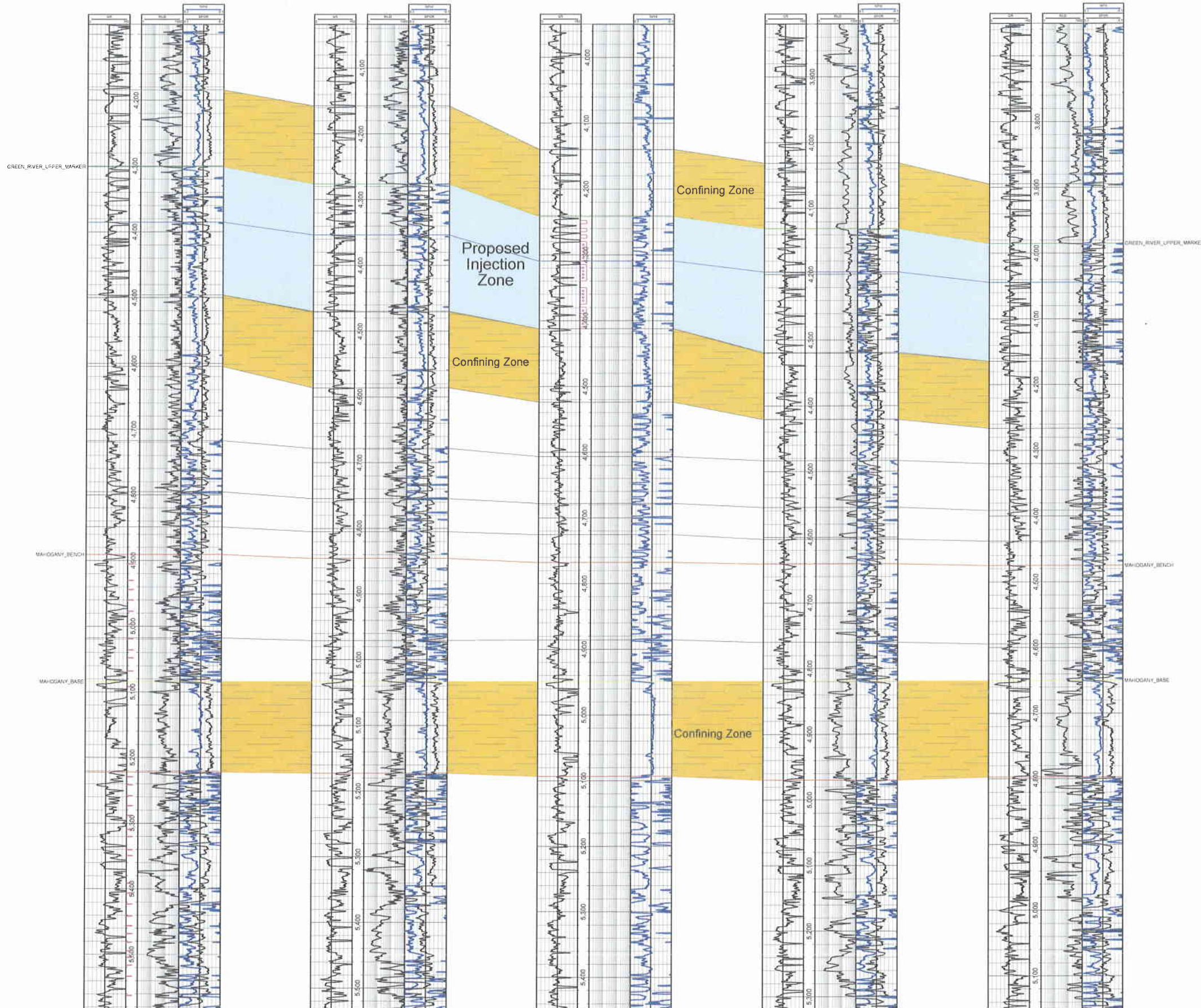
FRESHNESS

COLOR/FILL

CAPAC. LOGICAL CORREL.

10/10/2017 5:20 AM

6/12/2012

Proposed  
Injection Well



**B**  
West

14-35-3-1E  
T3S R1E S35  
UTE ENERGY UPSTREAM  
43047516580000

5-36-3-1E  
T3S R1E S36  
UTE ENERGY UPSTREAM  
43047515770000

4-31  
T3S R2E S31  
FLYING J O&G INC  
43047400170000

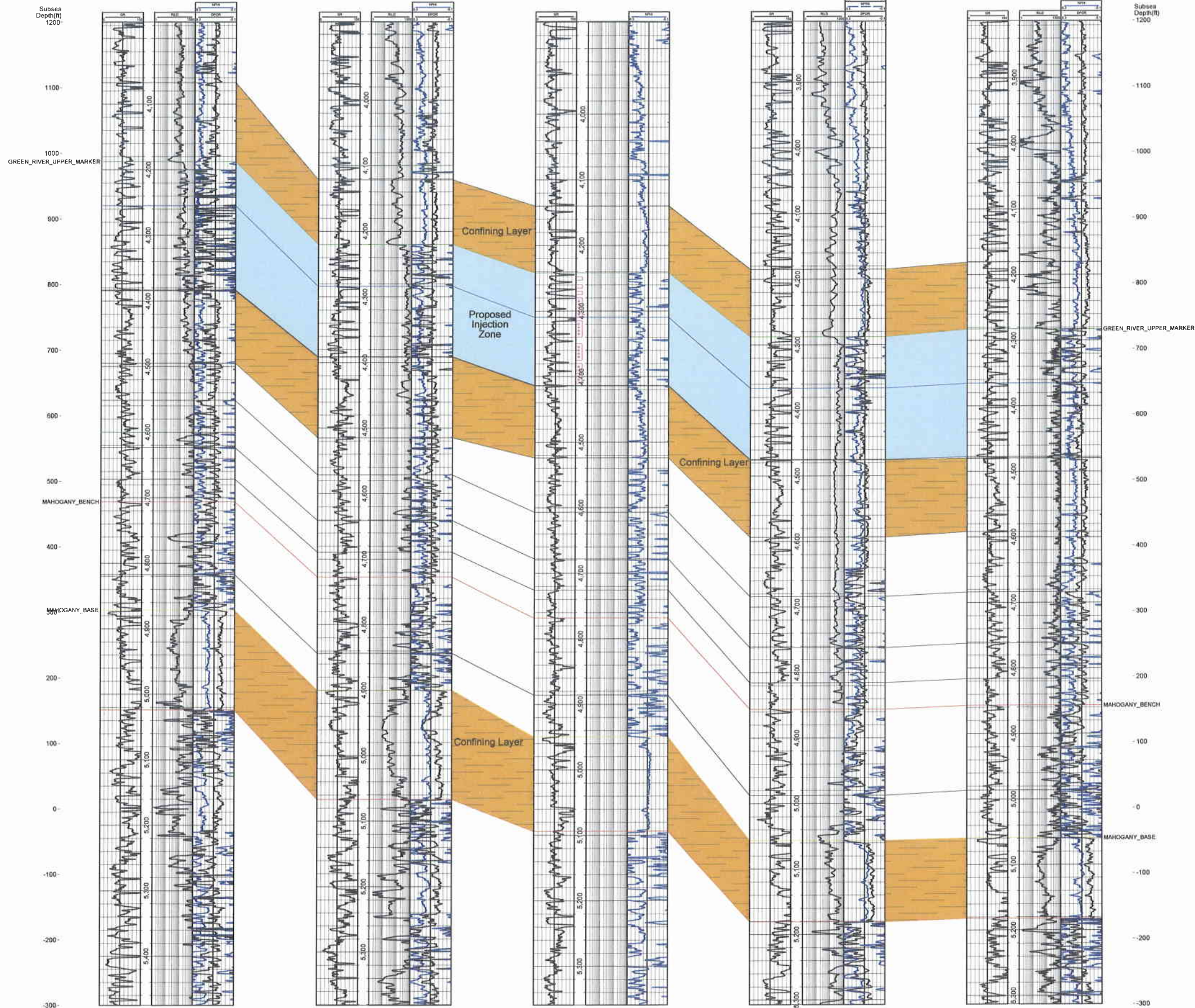
10-30-3-2E  
T3S R2E S30  
UTE ENERGY UPSTREAM  
43047515540000

12-29  
T3S R2E S29  
FLYING J O&G INC  
43047400390000

B'  
East

Figure 1 consists of several plots showing the structural cross-section of a 431 SWD proposal. The top plot shows the horizontal scale in feet (0 to 150) and vertical elevation in feet (0 to 12.5). Below this are several plots showing the structural cross-section of the 431 SWD proposal, including the horizontal scale in feet (0 to 150) and vertical elevation in feet (0 to 12.5). The plots show the structural cross-section of the 431 SWD proposal, including the horizontal scale in feet (0 to 150) and vertical elevation in feet (0 to 12.5). The plots show the structural cross-section of the 431 SWD proposal, including the horizontal scale in feet (0 to 150) and vertical elevation in feet (0 to 12.5).

6/12/2012



Proposed Injection Well



B  
West

14-35-3-1E  
T3S R1E S35  
UTE ENERGY UPSTREAM  
43047516580000

5-36-3-1E  
T3S R1E S36  
UTE ENERGY UPSTREAM  
43047515770000

4-31  
T3S R2E S31  
FLYING J O&G INC  
43047400170000

10-30-3-2E  
T3S R2E S30  
UTE ENERGY UPSTREAM  
43047515540000

12-29  
T3S S29  
FLYING J O&G INC  
43047400390000

B'  
East

GREEN\_RIVER\_UPPER\_MARKER

MAHOGANY\_BENCH

MAHOGANY\_BASE

Confining Layer

Proposed  
Injection  
Zone

Confining Layer

Confining Layer

GREEN\_RIVER\_UPPER\_MARKER

MAHOGANY\_BENCH

MAHOGANY\_BASE

Proposed Injection Well

Ute Energy  
4-31 SWD Proposal  
Stratigraphic cross-section B-B'  
Base of the Mahogany Bench

Horizontal Scale = 825' 4"  
Vertical Scale = 50'  
Vertical Exaggeration = 12.5x

0.3 -0.1  
0 150  
1 1,000  
0.3 -0.1  
0.3 -0.1  
0.3 -0.1  
0.3 -0.1  
0.3 -0.1  
0.3 -0.1

DPOR  
GR  
RILD  
DPRS  
NPRS  
NPHI  
NNDPHI  
NNNPHI

Well Number  
Twn-Rge-Sec  
Operator  
UWI

Legend

Scale

Legend

Scale

6/12/2012



**UNDERGROUND INJECTION CONTROL  
PERMIT APPLICATION**



**ULT 4-31  
663' FNL & 664' FWL  
NWNW SEC. 31, T3S, R2E,  
Uintah County, Utah  
API # 43-047-40017  
BLM Lease # Fee**

Prepared for:

Mr. Brad Hill  
Oil and Gas Permitting Manager  
Division of Oil, Gas and Mining  
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Prepared by:



300 E. Mineral Ave., Suite 7  
Littleton, Colorado 80122  
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FAX (303) 781-1167

**Version 2  
June 2012**



**ULT 4-31**  
**LIST OF ATTACHMENTS**

Attachment A1	Area Map
Attachment A2	Area of Review
Attachment A3	Landownership
Attachment A4	Existing Roads Map
Attachment A5	Existing Wells
Attachment B1	ULT 4-31 Well Records/Cement Bond Log/Schematic
Attachment B2	Deep Creek 16-25-3-1E Cement Bond Log
Attachment B3	Deep Creek 2-31 Cement Bond Log/Schematic
Attachment B4	Knight 14-30 Cement Bond Log/Schematic
Attachment B5	Randlett 1 Well Abandonment Record
Attachment B6	Eliason 12-30 Cement Bond Log/Schematic
Attachment B7	ULT 7-36-3-1E Cement Bond Log
Attachment B8	ULT 12-31-3-2E Cement Bond Log
Attachment C1	Proposed Injection Well Conversion Plan and Injection Well Schematic
Attachment C2	Plugging & Abandonment (P&A) Procedure
Attachment D1	List of Wells Utilizing the Injection Well
Attachment D2	Water Analysis – General Water Quality
Attachment E1	UIC Monitoring Forms
Attachment F1	Closest Water Well
Attachment F2	Produced Water Analytical Results
Attachment F3	Structure Map – Base of Upper Confining Layer
Attachment F4	Structure Map – Top of Lower Confining Layer
Attachment F5	Isopach Map of Injection Interval
Attachment F6	Cross-Section of the Confining Layers and Injection Zone
Attachment G1	Affidavit Notification



## **EXECUTIVE SUMMARY**

### **ULT 4-31**

The proposed ULT 4-31 Salt Water Disposal (SWD) well will be located in the NW/4 NW/4 (663' FNL, 664' FWL) of Section 31, Township 3 South, Range 2 East, which is in Uintah County, Utah. The proposed well will be an Underground Injection Control (UIC) Class II SWD well used exclusively for the purpose of subsurface disposal of water from Ute Energy Upstream Holdings LLC (Ute) operations in the area of the Randlett Field. The converted SWD well and its facilities will be located on an existing Ute well pad. No new surface disturbance or roads will be required for the ULT 4-31 SWD well.

There are a total of seven wells located within the ½ mile radius Area Of Review (AOR) for the proposed ULT 4-31. In addition, there is one well located just outside the ½ mile AOR. The cement bond logs for ULT 4-31 and other producing AOR wells show 80% or better bond across the disposal interval and the upper and lower confining layers. Two wells within the AOR have been plugged and abandoned.

The injection interval for the proposed ULT 4-31 SWD well is the Birds Nest zone of the Green River Formation from 4,242' to 4,949'. Regional geologic and hydrologic studies show the Birds Nest zone in the Green River Formation is designated as moderately saline groundwater. Samples collected from the interval of proposed injection in ULT 4-31 contain total dissolved solid (TDS) concentrations greater than 10,000 milligrams per liter (mg/l). The average for four samples collected from the proposed injection interval is 89,400 mg/l. It is anticipated that the Birds Nest Formation has sufficient storage capacity in the ULT 4-31 area to accept all anticipated SWD volumes.

The well will be used to inject approved Class II wastes brought to the surface including but not limited to drilling fluids, spent well completion fluids and treatment and stimulation fluids. The well will not be utilized for commercial brine or other fluid disposal operations. Injected fluids will be limited to fluids produced in connection with oil and gas production from wells that Ute Energy has a working interest.



**UIC WELL APPLICATION**  
**ULT 4-31 SWD**  
**API # 43-047-40017**  
**Lease # FEE**

## **1.0 Introduction**

This well was spudded on July 26, 2008 and was completed in the Green River formation. Water samples from the proposed injection interval (4,242 – 4,949 feet) indicated an average TDS concentration of 89,400 mg/l. The well is being proposed for conversion to inject produced water from wells that Ute has working interest and/or net revenue interest in, located in the Randlett Field.

The ULT 4-31 well falls within lands not designated as “Indian County”, thus is administered by the Utah Department of Natural Resources, Division of Oil, Gas and Mining (UDOGM).

Ute’s business address is provided below:

Ute Energy Upstream Holdings LLC  
1875 Lawrence, Suite 200  
Denver, CO 80202  
720.420.3200

The following document contains information provided in support of the application for the conversion of the ULT 4-31 Well to a Class II injection well. Section 2.0 provides the information requested by UDOGM for a UIC permit. The application details are presented in the same order as the UIC Injection Permit Application Analysis Form checklist to assist with the evaluation process.

## **2.0 – Application Details**

### **Section 2.1 – Figures**

Attachment A1 is a map showing the area around the ULT 4-31 well. The legal location for the ULT 4-31 well is 663’ FNL & 664’ FWL NENW, Section 31, T3S, R2E, Uintah County, Utah.

Attachment A2 is a site map showing the Area of Review (AOR). This map includes a ½-mile radius centered on the ULT 4-31 well which encompasses the AOR.

The ½-mile radius also identifies those lands, the owners thereof, which must be provided notice of this application. Attachment A3 contains a figure showing the known interest owners.

No new surface disturbance or roads will be required for the ULT 4-31SWD well. Attachment A4 is a topographic map showing the location of existing roads in the area.

Attachment A5 is a map showing the location of the existing wells in the surrounding area of the



proposed ULT 4-31 SWD. The converted SWD well and its facilities will be located on an existing well pad operated by Ute.

### **Sections 2.2, 2.3, and 2.4 - AOR Well Logs**

ULT 4-31 was spudded on July 26, 2008 and was completed in the Green River formation. Ute proposes to utilize the ULT 4-31 SWD as an injection well for disposal of produced water from wells that Ute has working interest or operated wells located in the Randlett Field.

**ULT 4-31 SWD:** Attachment B1 contains the following materials for the ULT 4-31 SWD well:

- Copies of all regulatory filings regarding activities related to the physical state of the well including:
  - Well completion or Recompletion Report
  - Cement Bond Log (CBL) from 3850-5390'
  - Well Chronology Report
- A schematic of the current well borehole

Copies of composite sonic neutron density and mud logs for ULT 4-31 well can be accessed at the UDOGM's online information system website.

**Deep Creek 16-25-3-1E:** This is an active producing oil well. Copies of all regulatory filings regarding activities related to the physical state of the well can be accessed at the UDOGM's online information system website. Attachment B2 contains the following materials for the Deep Creek 16-25-3-1E well:

- CBL (3,800'-5,300')

**Deep Creek 2-31:** This is an active producing oil well. Copies of all regulatory filings regarding activities related to the physical state of the well can be accessed at the UDOGM's online information system website. Copies of composite resistivity neutron density and mud logs can be accessed at the UDOGM's online information system website. Attachment B3 contains the following materials for the Deep Creek 2-31 well:

- CBL (3,750'-5,240')
- A schematic of the current well borehole

**Knight 14-30:** This is an active producing oil well. Copies of all regulatory filings regarding activities related to the physical state of the well can be accessed at the UDOGM's online information system website. Copies of resistivity, neutron density and mud logs can be accessed at the UDOGM's online information system website. Attachment B4 contains the following materials for the Knight 14-30 well:

- CBL (3,870'-5,010')
- A schematic of the current well borehole



**Randlett 1:** This is a plugged and abandoned well. Abandonment was completed 4/23/72. The well last produced 3/17/72. Final restoration and bond release occurred in 10/19/73. Copies of all regulatory filings regarding activities related to the physical state of the well can be accessed at the UDOGM's online information system website. Copies of resistivity and sonic logs can be accessed at the UDOGM's online information system website. Attachment B5 contains the following materials for the Randlett 1 well:

- Abandonment record

**ULT 6-31-3-2E:** This is a proposed oil well. Currently, the location has been spudded; however drilling has not yet commenced.

**Eliason 12-30:** This is an active producing oil well. Copies of all regulatory filings regarding activities related to the physical state of the well can be accessed at the UDOGM's online information system website. Copies of resistivity, neutron density and mud logs can be accessed at the UDOGM's online information system website. Attachment B6 contains the following materials for the Eliason 12-30 well:

- CBL (3,850'-5,240')
- A schematic of the current well borehole

**ULT 7-36-3-1E:** This is a plugged and abandoned well. The well was drilled to 3,600' before it was plugged and abandoned. Copies of all regulatory filings regarding activities related to the physical state of the well can be accessed at the UDOGM's online information system website. Attachment B7 contains the following materials for the ULT 7-36-3-1E well:

- CBL (0-3,450')
- Abandonment Records

**ULT 12-31-3-2E:** This is an active producing oil well. Copies of all regulatory filings regarding activities related to the physical state of the well can be accessed at the UDOGM's online information system website. Attachment B8 contains the following materials for the ULT 12-31-3-2E well:

- CBL (3,680-5,180')

## **Section 2.5 - SWD Well Conversion**

The current wellbore diagram for the subject well is contained in Attachment B1. Attachment C1 contains the procedure to be used for conversion to a UIC well and the proposed injection wellbore diagram.

Once the draft permit is issued, Ute will conduct a Mechanical Integrity Test (MIT) and Injection Test to determine if additional remedial work is necessary. The MIT will be conducted following UDOGM guidance and requirements.

The Plugging & Abandonment (P&A) procedure and SWD well diagram is contained in



Attachment C2.

### **Sections 2.6 and 2.7 - Injection Fluid Type**

Water will be trucked and piped to the site using existing roads, future roads and pipelines to dispose of fluid into the well.

The injected fluid will consist of produced water from Wasatch and Green River formation oil producers that Ute has both working interest and/or net revenue interest. Attachment D1 is a list of current wells that will currently utilize the injection well.

Water samples were collected from three nearby wells to represent the general chemistry of the fluids to be injected into ULT 4-31. Attachment D2 contains water analysis reports for flowback water collected from the ULT 12-31-3-2E, Deep Creek 8-31-3-2E and Deep Creek 2-31-3-2E wells. The average concentration of TDS of these three wells is 22,372.13 mg/l. The details and results for the three TDS samples are summarized in Table 1.

**Table 1 Summary of TDS Concentrations – Representative Injection Fluid**

Well Name	Sample Date	Sample Type	Sample Interval (feet)	TDS (mg/l)
Deep Creek 8-31-3-2E	3/29/2012	Flowback	6,108 - 6801	26,464.51
Deep Creek 2-31-3-2E	3/29/2012	Flowback	6,174 - 6901	25,999.26
ULT 12-31-3-2E	3/29/2012	Flowback	6,766 - 7680	15,090.33
<b>Average Concentration</b>				<b>22,372.13</b>

Ute is requesting an average injection rate of 8,000 barrels of water per day (BWPD).

### **Sections 2.8 and 2.9 – Injection Pressure**

The daily volumetric disposal for the ULT 4-31 SWD will vary depending upon water production rates from oil producers in the vicinity. Ute anticipates injectivity as high as several thousand BWPD. Injection rate will be constrained by the maximum allowable injection pressure (MAIP) at surface. MAIP will be determined when the well is stimulated. The fracture gradient will be used to calculate MAIP. The actual pressure will depend upon the fracture gradient approved by UDOGM.

Ute plans to install monitoring and telemetry equipment to monitor injection pressure, injection rate and casing pressure via a SCADA system. Additionally, the well will be checked daily with rates and pressures recorded weekly at a minimum. Attachment E1 includes UDOGM UIC Forms 3 and 4. Ute will fill out these forms as required by UDOGM.



## Section 2.10 – Geologic and Hydrogeologic Data

State of Utah Department of Natural Resources Technical Publication No. 92, “Base of Moderately Saline Ground Water in the Uinta Basin, Utah”, shows the elevation of the “base of moderately saline water” (3,000 to 10,000 mg/l TDS) to be at an elevation of approximately 1,400’ above sea level at the location of the ULT 4-31 SWD well. The surveyed ground elevation at this location is 5,401’ above sea level, so based on Technical Publication No. 92, the base of moderately saline water occurs at a depth of approximately 4,001’ at the ULT 4-31 SWD location.

A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the ULT 4-31 well location. Attachment F1 shows the closest water well to ULT 4-31 at approximately 3.0 miles.

Water samples collected from within the proposed inject zone of the ULT 4-31 well were shipped to NALCO laboratory in Vernal, Utah for analysis. Laboratory analysis of four samples was conducted for general water quality parameters. In addition, representative samples from three wells that will utilize the SWD well were collected and analyzed for general water quality parameters. Attachment F2 contains water analysis results for produced water from the ULT 4-31 SWD well within the proposed injection interval and three representative samples of injected fluid. The average concentration of TDS from the proposed injection interval is 89,400.31 mg/l. The details and results for the four samples collected from the proposed injection interval are summarized in the Table 2.

**Table 2 Summary of TDS Concentrations - ULT 4-31**

Well Name	Sample Date	Run	Sample Number	Sample Interval (feet)	TDS (mg/l)
ULT 4-31	3/25/2012	8	1	4,242 - 4,949	85,956.02
ULT 4-31	3/25/2012	9	2	4,242 - 4,949	102,020.04
ULT 4-31	3/25/2012	10	3	4,242 - 4,949	87,416.37
ULT 4-31	3/25/2012	11	4	4,242 - 4,949	82,208.80
Average Concentration					89,400.31

### Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta/Green River	Surface to 3,895’
Base USDW	3,801’
Base of Upper Confining Layer	4,242’
Top of Lower Confining Layer	4,949’
Base of Lower Confining Layer	5,090’
Tgr 3 Marker	5,800’
Douglas Creek	6,313’
TD	6,900’



## General Geology

Uinta Formation: Surface to estimated 3,895' in the Randlett area.

The Uinta Formation (Eocene) consists of alternating beds of light-gray calcareous mudstones and light brown to brown siltstones and sandstones. The Uinta Formation was deposited in fluvial and flood plain environments. The siltstone and sandstone beds were deposited in fluvial channels and are more abundant in the lower portion of the formation. The intervening calcareous mudstones were deposited in flood plain environments. The lower portion of the Uinta Formation is transitional into lacustrine deposits in the central portion of the Uinta Basin.

Green River Formation: Estimated 3,895' to 7,900' in the Randlett area.

The Green River Formation (Eocene) is a complex mixture of clastics, carbonates and organic rich claystones deposited in an alluvial to lacustrine depositional system. The Green River interfingers with both the overlying Uinta and underlying Wasatch Formations. The Green River Formation is subdivided into four members which in ascending order are: Douglas Creek Member, Garden Gulch Member, Parachute Creek Member and Evacuation Creek Member.

The Douglas Creek Member consists of light gray alternating beds of calcareous sandstone and dark gray to brown brittle shale with minor amounts of oil shale, dolomite and limestone.

The Garden Gulch Member directly overlies the Douglas Creek Member and consists primarily of dark colored shales and very fine grained sandstones. Shale intervals are thicker than those of the Douglas Creek Member and organic rich.

The Parachute Creek Member directly overlies the Garden Gulch Member and consists of a thick succession of dark brown, dark gray, light green and red shales with occasional fine grained sandstones. The Parachute Creek Member contains the most organic rich oil shales, including the Mahogany Oil Shale Zone.

The Evacuation Creek Member directly overlies the Parachute Creek Member and is overlain by the Uinta Formation. The Evacuation Creek Member is composed primarily of light gray-green shale, tan marl and interbedded thin brown sandstones.

## Upper Confining Zone:

The upper confining zone is a regionally continuous interval that contains low porosity siltstones interbedded with low permeability shales, and claystones. The gross thickness of the upper confining interval varies from 331 feet to 351 feet. The average thickness of the upper confining zone in the area of the proposed ULT 4-31 SWD is 347 feet. A structure map (Attachment F3) for the bottom of the upper confining layer of the Green River formation shows dip of approximately 200' per mile to the North.



#### Lower Confining Zone:

The lower confining zone is composed of interbedded low porosity and permeability calcareous shales and siltstones. The gross thickness of the lower confining zone varies from 115 feet to 155 feet. The average thickness of the lower confining zone in the area of the proposed ULT 4-31 SWD is 136 feet. Attachment F4 is a structure map for the top of the lower confining layer. The figure shows a formation dip of approximately 250' per mile.

#### Injection Zone:

The proposed injection zone is between 4,242' to 4,949' located in the Green River formation. This interval is composed of porous and permeable sandstones interbedded with lower permeability siltstones, claystones, and shale breaks. The gross thickness of the injection zone varies from 684 feet to 775 feet. The average thickness of the injection zone in the area of the proposed ULT 4-31 SWD is 725 feet. An isopach map for the injection interval is included in Attachment F5.

Attachment F6 is cross-section of wells in the AOR showing the correlation of the upper confining zone, injection zone and lower confining zone.

#### **Section 2.11 – Mechanical Condition of AOR Wells**

**ULT 4-31 SWD:** We do not believe that any corrective action is needed on the ULT 4-31 SWD well. Based on the CBL log, there is approximately 80% bond at numerous locations from 5,300' to 5,050' extending to the base of the lower injection zone (4,950'). The CBL also demonstrates 80% bond across the upper confining layer (4,242' to 3,895').

**Deep Creek 16-25-3-1E:** We do not believe that any corrective action is needed on the Deep Creek 16-25-3-1E well. Based on the CBL log, there is approximately 80% bond at numerous locations from 5,300' to 4,600' extending beyond the base of the lower injection zone (4,950') and across the upper confining layer (4,242' to 3,895').

**Deep Creek 2-31:** We do not believe that any corrective action is needed on the Deep Creek 2-31 well. Based on the CBL log, there is approximately 80% bond at numerous locations from 5,300' to 4,600' extending beyond the base of the lower injection zone (4,950') and across the upper confining layer (4,242' to 3,895').

**Knight 14-30:** We do not believe that any corrective action is needed on the Knight 14-30 well. Based on the CBL log, there is approximately 80% bond at numerous locations from 5,500' to 5,040' extending to just below the base of the lower injection zone (4,950'). In addition, the CBL also shows that the majority of the section from 4,280' to 4,020' contains 80% bond.

**Randlett 1:** We do not believe that any corrective action is needed on the Randlett 1 well.

**ULT 6-31-3-2E:** This is a proposed oil well. Currently, the location has been spudded; however drilling has not yet commenced.



**Eliason 12-30:** We do not believe that any corrective action is needed on the Eliason 12-30 well. Based on the CBL log, there is approximately 80% bond at numerous locations from 5,000' to 3,750' spanning the lower confining zone and stopping above the base of the upper confining zone.

**ULT 7-36-3-1E:** We do not believe that any corrective action is needed on the ULT 7-36-3-1E well. The well was only drilled to a total depth of 3,600 feet which is approximately 300 feet above the top of the upper confining layer.

**ULT 12-31-3-2E:** Based on the radial acoustic CBL, there is good bond across the lower and upper confining zones and within the injection zone. We do not believe that any corrective action is needed on the ULT 12-31-3-2E well.

Ute is required to investigate all wells for mechanical integrity within the AOR. Refer to Table 3 for details of completion data for wells within the AOR.

**Table 3 AOR Well Completion Data**

Well	Well Type	Distance from SWD	Cond Casing			Surface Casing			Production Casing		
			Size	Depth	Cement Top	Size	Depth	Cement Top	Size	Depth	Est. Cement Top
Deep Creek 16-25-3-1E	Oil	1980'				8.625	0-817'	Surface	5.5	0-8172'	Surface
Deep Creek 2-31	Oil	2420'	20	0-58'	Surface	9.625	0-772'	Surface	5.5	0-7012'	Surface
Knight 14-30	Oil	1833'	14	0-40'	Surface	9.625	0-750'	Surface	5.5	0-7000'	Surface
Randlett 1 (P&A)	NA	1687'	16	0-30'	Surface	9.625	0-523'	Surface	5.5	0-9000'	Surface
<b>ULT 4-31</b>	<b>NA</b>	<b>0'</b>	<b>20</b>	<b>0-53'</b>	<b>Surface</b>	<b>9.625</b>	<b>0-763'</b>	<b>Surface</b>	<b>5.5</b>	<b>0-7200'</b>	<b>Surface</b>
ULT 6-31-3-2E	Oil	1687'				8.625	0-802'	Surface	5.5	0-8015'	Surface
ULT 12-31-3-2E	Oil	2640'			Surface	8.625	0-798'	Surface	5.5	0-7978'	
Eliason 12-30	Oil	2567'	20	0-58'	Surface	9.625	0-796'	Surface	5.5	0-7063'	3550' (CBL)
ULT 7-36-3-1E (P&A)	NA	3153'			Surface	8.625	0-908'	Surface	5.5	0-9084'	

## Section 2.12 – List of Owners/Affidavit

Below is a listing of the names and addresses of all owners of record of land within one-half mile of the proposed ULT 4-31 SWD well. Included in Attachment G1 is the Affidavit Notification.

1. P. Robert Knight  
2592 East Stanford Lane  
Holladay, UT 84117  
(801) 680-1001
2. Utah Land Trust  
Mr. Gilbert Maggs, Trustee  
230 Park Avenue  
Satellite Beach, FL 32937  
(321) 917-4999



3. Deep Creek Investment  
C/O Lee M. Smith, General Partner  
2400 Sunnyside Ave  
Salt Lake City, UT 84108  
(801) 322-1235

### **Section 2.13 - Financial Responsibility Demonstration**

Ute is prepared to provide a surety bond once the application is approved and there is agreement with plugging costs. They are very familiar with the use of bonds to cover plugging costs in all of their operations.

### **Section 2.14 - Aquifer Exempting**

An aquifer exemption is not required at the proposed ULT 4-31 SWD location. The average concentration of TDS was 84,013 mg/l for water collected from within the proposed injection zones. The ULT 4-31 SWD is located 3.0 miles from the closest known potential USDW.





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## Water Analysis Report

Field : Randelette Sample Date : 3/25/2012  
 County : Uintah, UT Formation :  
 Location : 4-31 Rock Type :  
 Lab ID : Depth : Analysed Date: 5/18/2012

Run 8/1st Sample/12:45 PM 38 bbls Resistivity = .280 (Milli Equiv./ Liter Cations=+1.519, Anions=-1.659)

CATIONS	mg/l		Measured	Calculated		ANIONS	mg/l
Potassium	231.6	Total Dissolve Solid	85956.02	110421.58		Sulfate	200.0
Sodium	34,647.1	Total Hardness		94.16		Chloride	15,000.0
Calcium	23.1	PH	8.80	8.80		Carbonate	0.0
Magnesium	8.9	Total H2S aq	0.00	0.00		Bicarbonate	75,152.0
Iron	80.4	Manganese	0.47			Bromide	0.0
Barium	40.2	PO4 Residual	0.00			Organic Acids	0.0
Strontium	1.1	SRB Vials Turned	0.00			Hydroxide	0.0
SUM +	35,032.3	APB Vials Turned	0.00			SUM -	90,352.0

Initial(BH) Final(WH)

### Saturation Index values

Calcite (CaCO<sub>3</sub>)

2.41 2.54

Barite (BaSO<sub>4</sub>)

0.48 0.98

Halite (NaCl)

-2.26 -2.20

Gypsum

-3.33 -3.28

Hemihydrate

-3.91 -4.03

Anhydrite

-3.31 -3.51

Celestite

-3.62 -3.58

Iron Sulfide

0.00 0.00

Zinc Sulfide

0.00 0.00

Calcium fluoride

0.00 0.00

Iron Carbonate

5.66 5.62

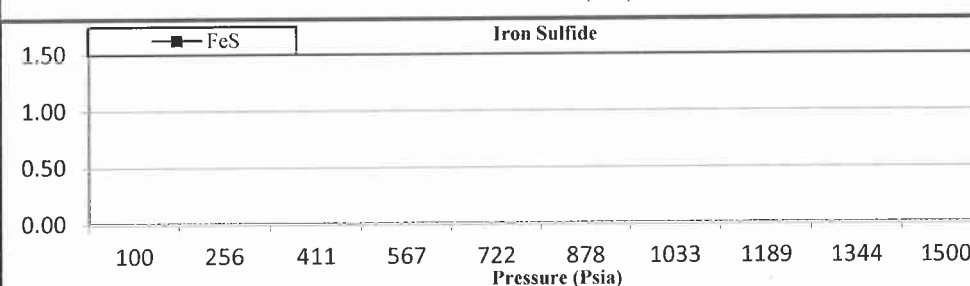
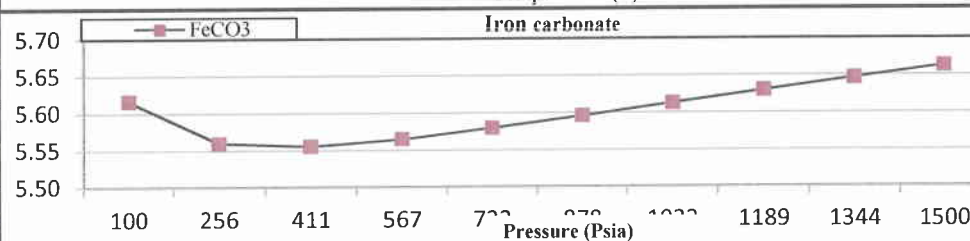
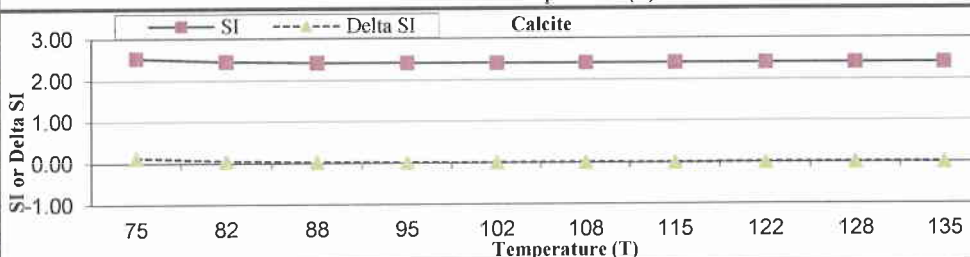
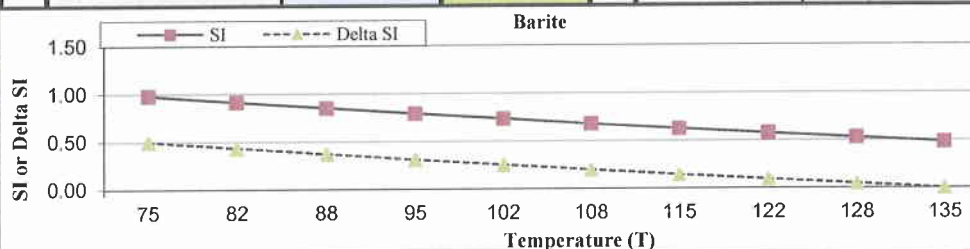
Inhibitor needed (mg/L)

Calcite NTMP

18.26 8.01

Barite BHPMP

0.00 0.00



Lab Manager: Andrea Craig

Analysis by:





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## Water Analysis Report

Field : **Randelette** Sample Date : **3/25/2012**  
 County : **Uintah, UT** Formation :  
 Location : **4-31** Rock Type :  
 Lab ID : **Depth :** **Analysed Date: 5/18/2012**  
 Run 9/2nd Sample/1:35 PM 43 bbls Resistivity = .210 (Milli Equiv./ Liter Cations=+1.462, Anions=-2.316)

CATIONS	mg/l		Measured	Calculated		ANIONS	mg/l
Potassium	254.2	Total Dissolve Solid	102020.40	134849.48		Sulfate	70.0
Sodium	33,329.1	Total Hardness		83.29		Chloride	20,000.0
Calcium	20.8	PH	8.77	8.77		Carbonate	0.0
Magnesium	7.7	Total H2S aq	0.00	0.00		Bicarbonate	106,811.0
Iron	82.2	Manganese	0.75			Bromide	0.0
Barium	36.1	PO4 Residual	0.00			Organic Acids	0.0
Strontium	1.1	SRB Vials Turned	0.00			Hydroxide	0.0
<b>SUM +</b>	<b>33,731.1</b>	APB Vials Turned	0.00			<b>SUM -</b>	<b>126,881.0</b>

Initial(BH) Final(WH)

Saturation Index values

Calcite (CaCO<sub>3</sub>)

2.64 2.72

Barite (BaSO<sub>4</sub>)

-0.24 0.28

Halite (NaCl)

-2.16 -2.11

Gypsum

-3.91 -3.83

Hemihydrate

-4.48 -4.58

Anhydrite

-3.88 -4.06

Celestite

-4.26 -4.20

Iron Sulfide

0.00 0.00

Zinc Sulfide

0.00 0.00

Calcium fluoride

0.00 0.00

Iron Carbonate

5.87 5.77

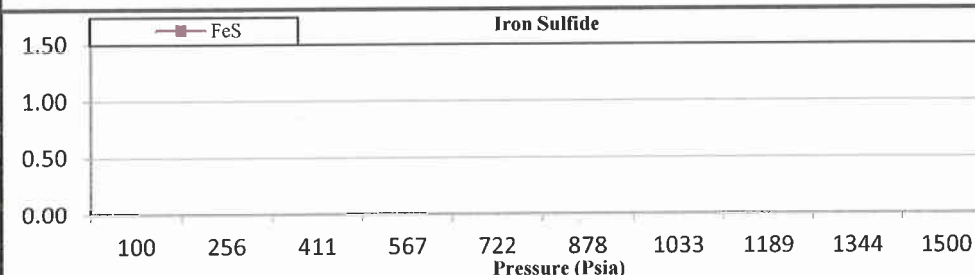
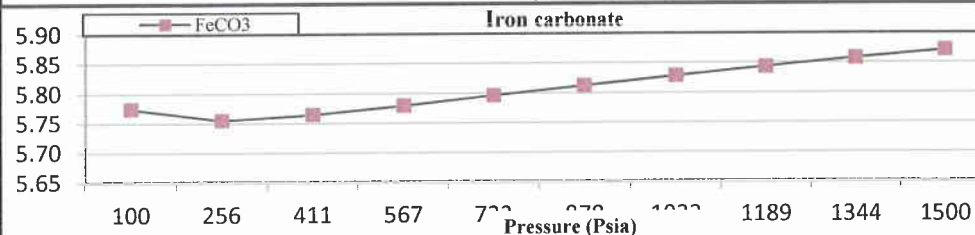
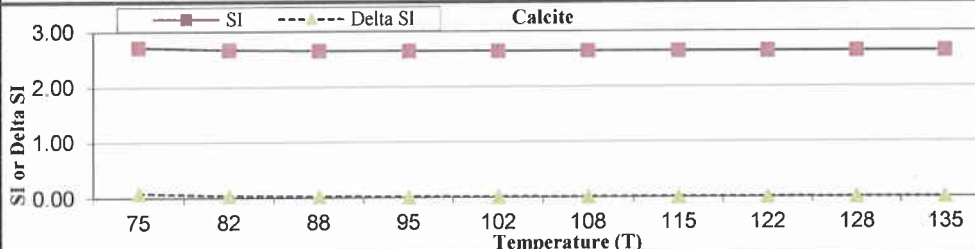
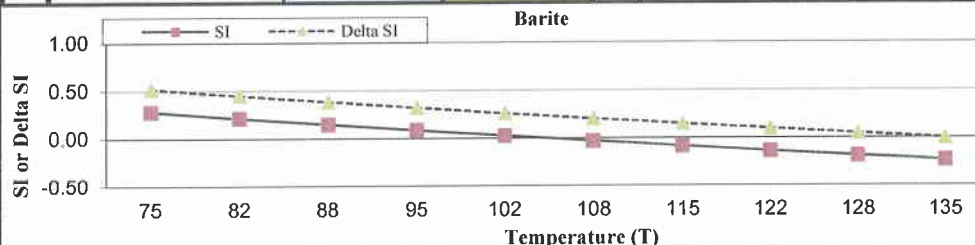
Inhibitor needed (mg/L)

Calcite NTMP

43.53 16.57

Barite BHPMP

0.00 0.00



Lab Manager: Andrea Craig

Analysis by:





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## Water Analysis Report

Field : **Randelette** Sample Date : **3/25/2012**  
 County : **Uintah, UT** Formation :  
 Location : **4-31** Rock Type :  
 Lab ID : Depth : **Analysed Date: 5/18/2012**  
 Run 11/4th Sample/3:45 PM 47 bbls Resistivity = .281 (Milli Equiv./ Liter Cations=+1.490, Anions=-1.526)

CATIONS	mg/l		Measured	Calculated	ANIONS	mg/l
Potassium	224.5	Total Dissolve Solid	82208.80	104325.02	Sulfate	1,170.0
Sodium	34,063.6	Total Hardness		44.92	Chloride	14,900.0
Calcium	10.6	PH	8.78	8.78	Carbonate	0.0
Magnesium	4.5	Total H2S aq	0.00	0.00	Bicarbonate	66,002.0
Iron	45.4	Manganese	0.30		Bromide	0.0
Barium	13.4	PO4 Residual	0.00		Organic Acids	0.0
Strontium	0.8	SRB Vials Turned	0.00		Hydroxide	0.0
<b>SUM +</b>	<b>34,362.8</b>	APB Vials Turned	0.00		<b>SUM -</b>	<b>82,072.0</b>

Initial(BH) Final(WH)

### Saturation Index values

Calcite (CaCO<sub>3</sub>)

1.93 2.10

Barite (BaSO<sub>4</sub>)

0.86 1.35

Halite (NaCl)

-2.26 -2.21

Gypsum

-2.85 -2.81

Hemihydrate

-3.43 -3.56

Anhydrite

-2.84 -3.04

Celestite

-2.93 -2.90

Iron Sulfide

0.00 0.00

Zinc Sulfide

0.00 0.00

Calcium fluoride

0.00 0.00

Iron Carbonate

5.30 5.30

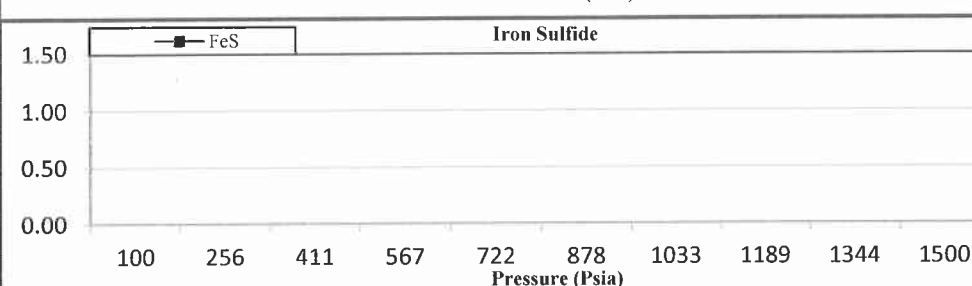
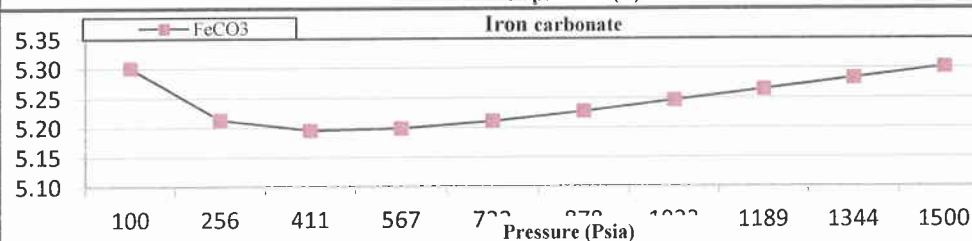
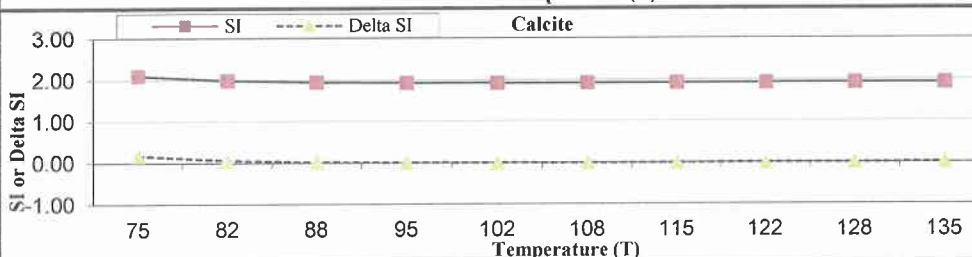
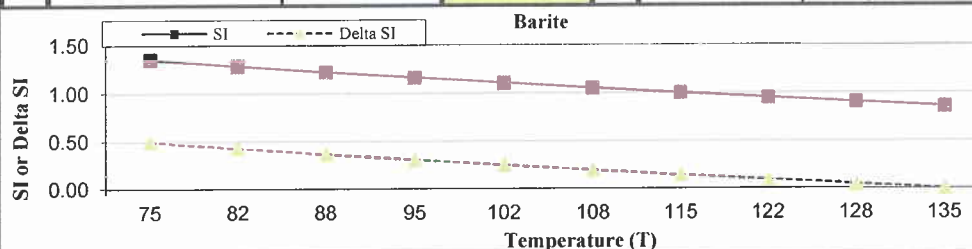
Inhibitor needed (mg/L)

Calcite NTMP

3.12 1.49

Barite BHPMP

0.05 0.06



Lab Manager: Andrea Craig

Analysis by:





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## Water Analysis Report

Field : Randelette Sample Date : 3/25/2012  
 County : Uintah, UT Formation :  
 Location : 4-31 Rock Type :  
 Lab ID : Depth : Analysed Date: 5/18/2012

Run 12/5th Sample/4:45 PM 48 bbls Resistivity = .264 (Milli Equiv./ Liter Cations=+1.161, Anions=-1.144)

CATIONS	mg/l		Measured	Calculated		ANIONS	mg/l
Potassium	183.0	Total Dissolve Solid	62464.51	79992.26		Sulfate	440.0
Sodium	26,517.0	Total Hardness		106.73		Chloride	15,800.0
Calcium	9.4	PH	8.63	8.63		Carbonate	0.0
Magnesium	20.3	Total H2S aq	0.00	0.00		Bicarbonate	42,029.0
Iron	16.3	Manganese	0.16			Bromide	0.0
Barium	2.9	PO4 Residual	0.00			Organic Acids	0.0
Strontium	4.2	SRB Vials Turned	0.00			Hydroxide	0.0
<b>SUM +</b>	<b>26,753.1</b>	APB Vials Turned	0.00			<b>SUM -</b>	<b>58,269.0</b>

Initial(BH) Final(WH)

Saturation Index values

Calcite (CaCO<sub>3</sub>)

1.27 1.63

Barite (BaSO<sub>4</sub>)

0.10 0.59

Halite (NaCl)

-2.32 -2.26

Gypsum

-3.13 -3.08

Hemihydrate

-3.71 -3.84

Anhydrite

-3.12 -3.32

Celestite

-2.30 -2.26

Iron Sulfide

0.00 0.00

Zinc Sulfide

0.00 0.00

Calcium fluoride

0.00 0.00

Iron Carbonate

4.36 4.54

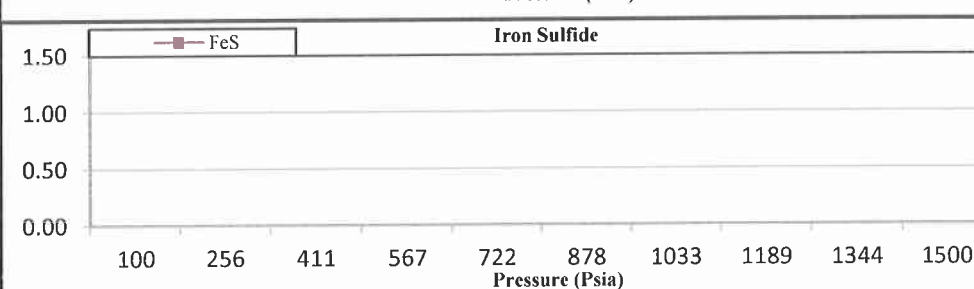
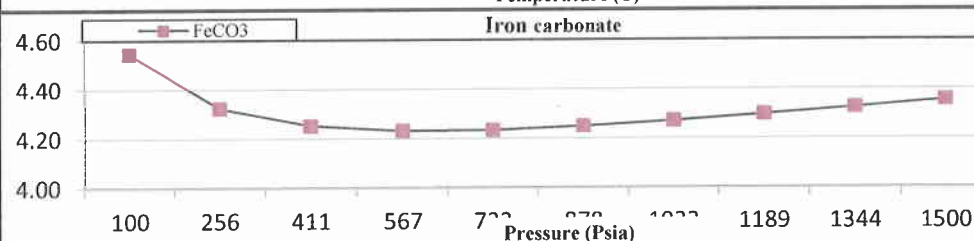
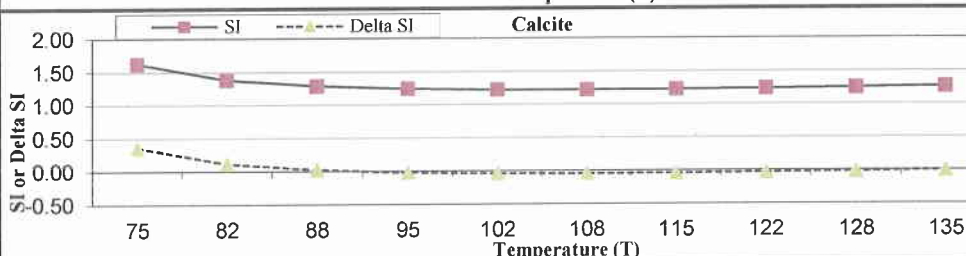
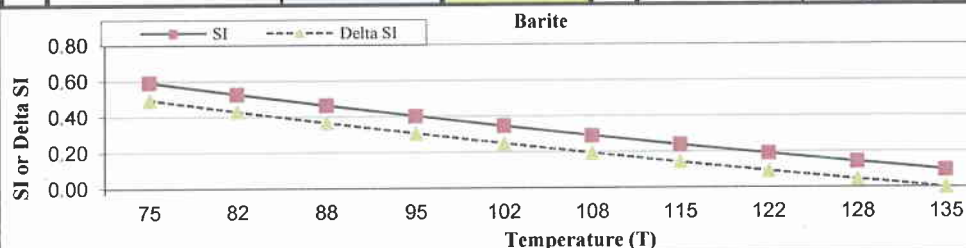
Inhibitor needed (mg/L)

Calcite NTMP

0.19 0.20

Barite BHPMP

0.00 0.00



Lab Manager: Andrea Craig

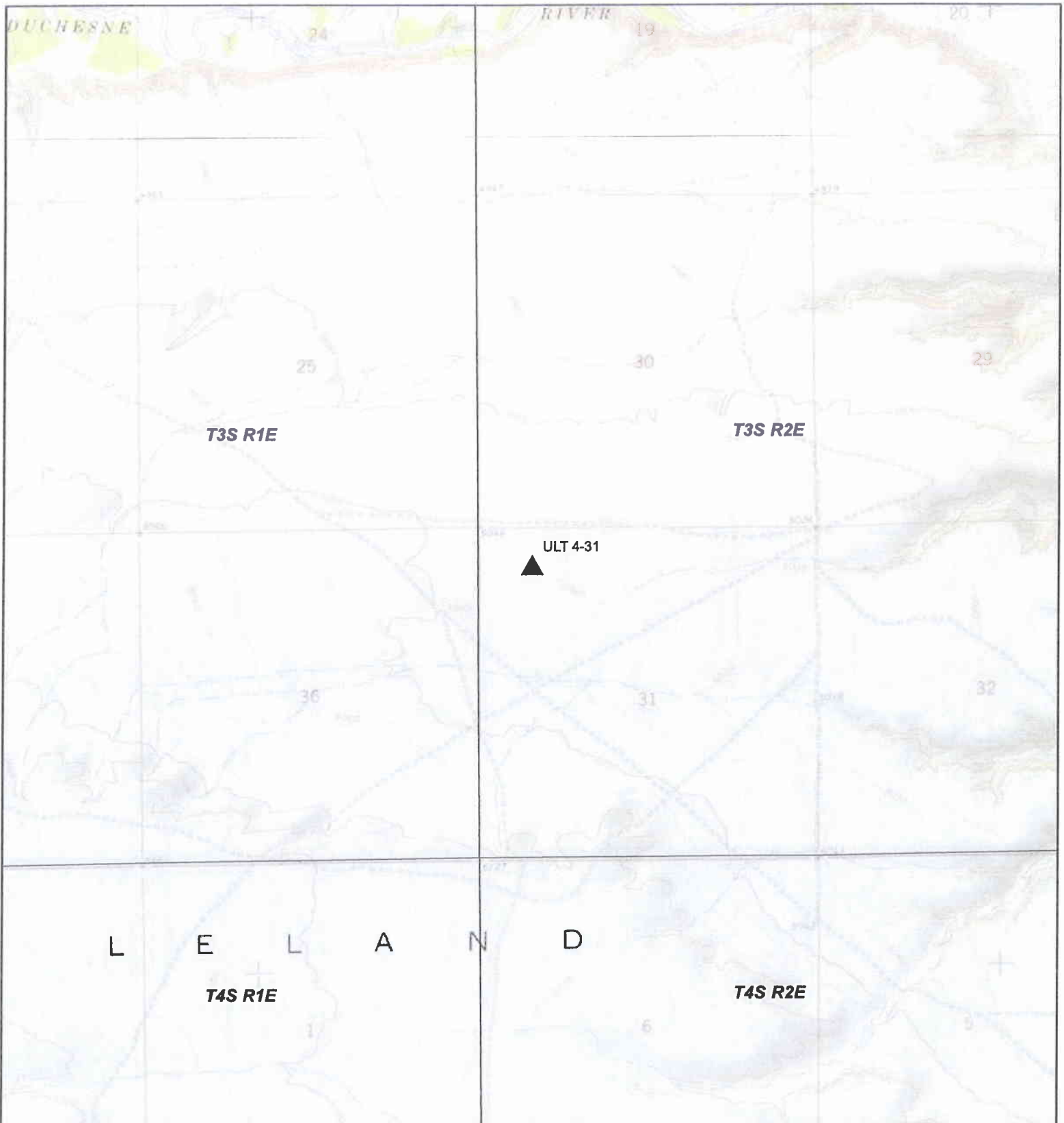
Analysis by:



**ATTACHMENT A1**

**AREA MAP**





**Project Location**



**Legend**

▲ Ult 4-31



0 0.125 0.25 0.5 0.75 1 Miles

**Ute Energy, LLC**

Ult 4-31  
Area Map

Figure A1

March 2012

**KLEINFELDER**  
Bright People. Right Solutions.

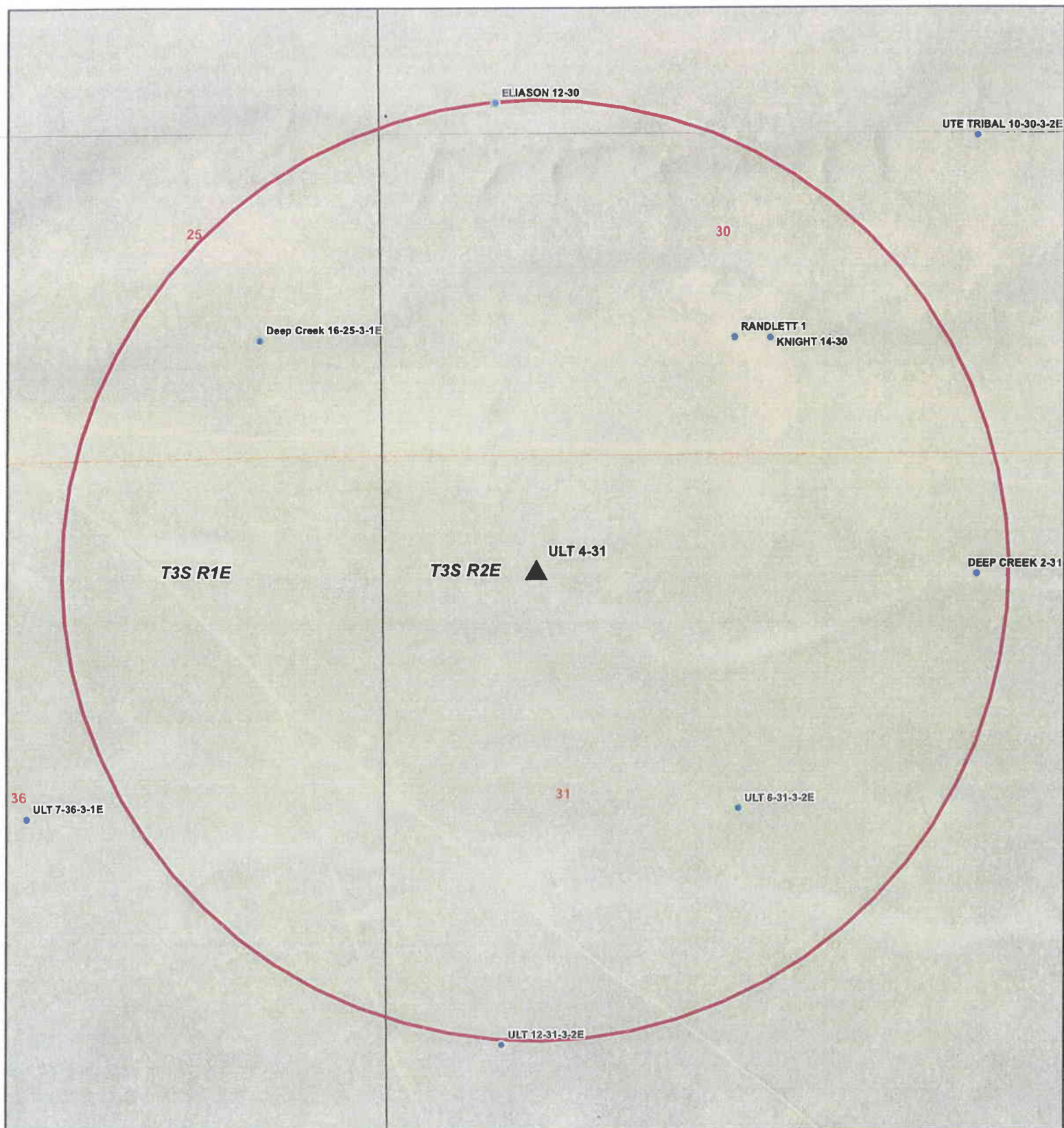
**B&A** Bays & Associates, Inc.  
ENGINEERING & CONSTRUCTION



**ATTACHMENT A2**

**AREA OF REVIEW**





### Project Location



### Legend

- ▲ ULt 4-31
  - UDOGM Wells
  - Mile Radius
- 0 0.125 0.25  
Miles



### Ute Energy, LLC

ULt 4-31  
Area of Review

Figure A2

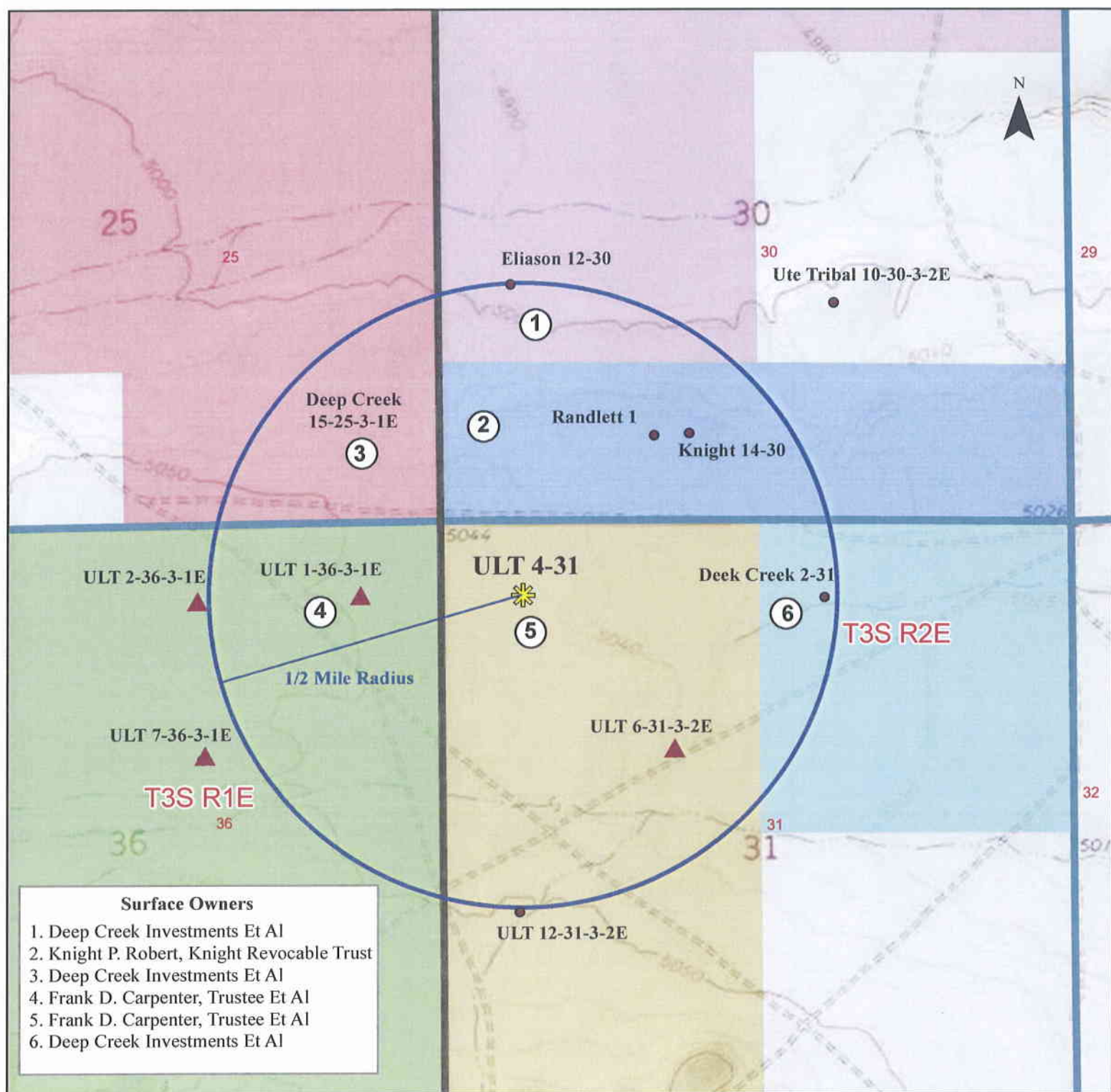
March 2012





**ATTACHMENT A3**  
**LAND OWNERSHIP**





## Proposed Injection Well Site ULT 4-31

Section 31, T3S - R2E  
Uintah County, UTAH

✱ Proposed ULT 4-42 Injection Well

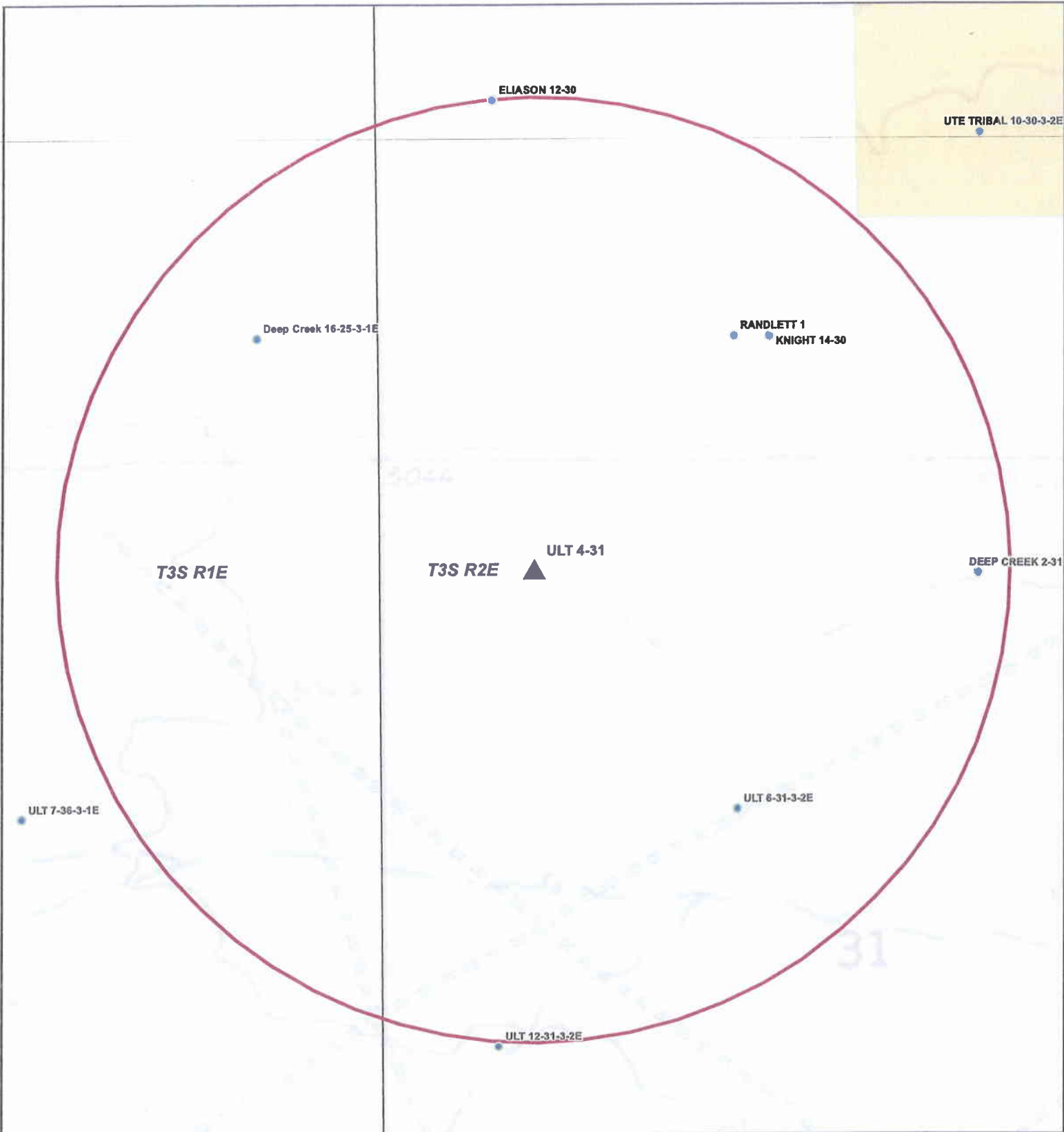
● Producing Well

▲ Conductor Set Well

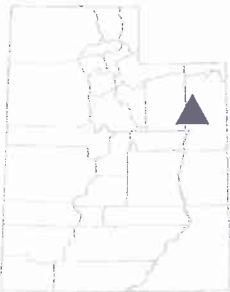
1:14,000

Jason Hornyak  
6/15/2012





**Project Location**



**Legend**

- |                   |                       |
|-------------------|-----------------------|
| ▲ Ult 4-31        | <b>Land Ownership</b> |
| • UDOGM Wells     | Private               |
| ○ 1/2 Mile Radius | Tribal                |



0 0.125 0.25 Miles

**Ute Energy, LLC**

**Ult 4-31  
Land Ownership**

Figure A3

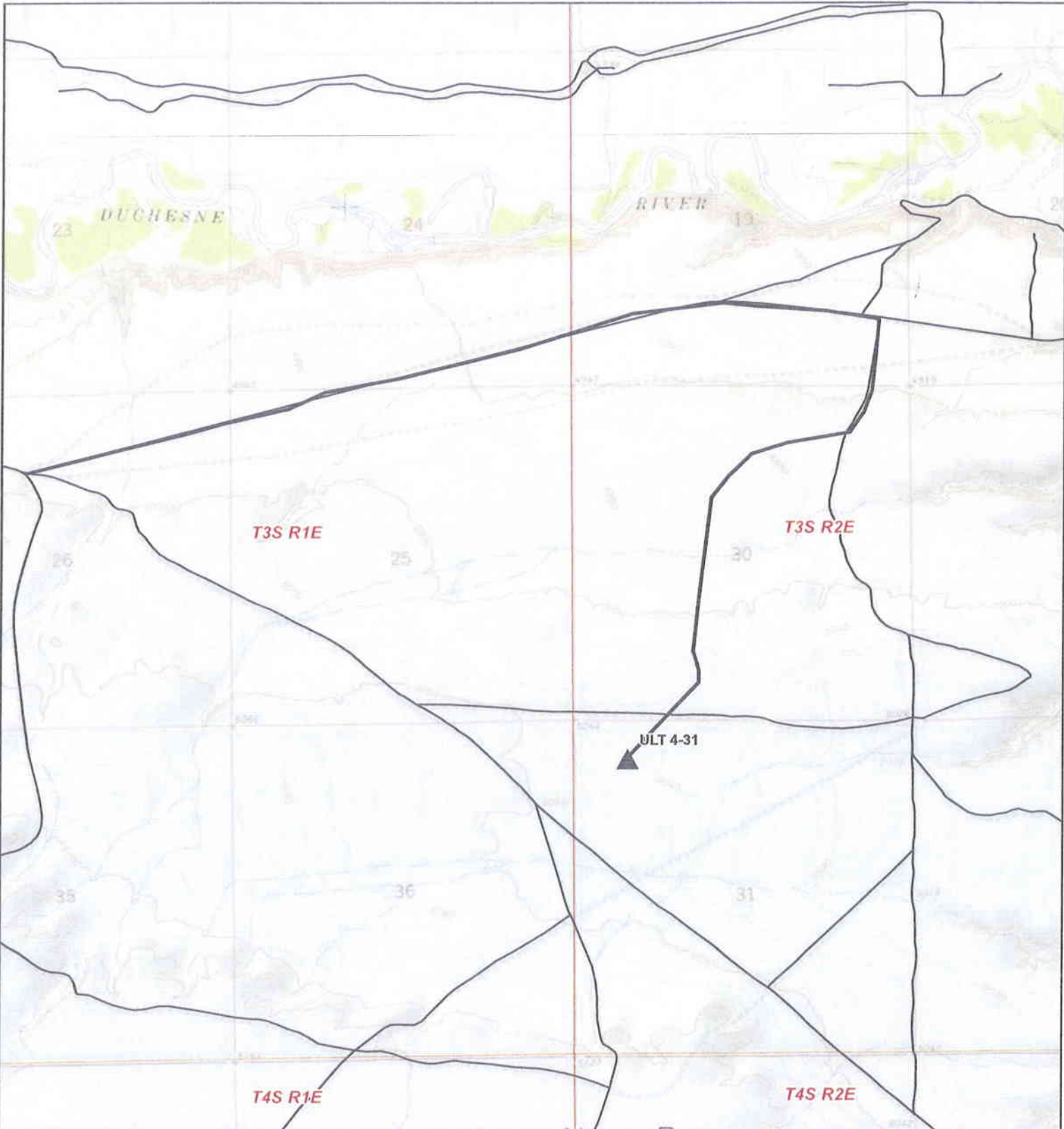
March 2012





**ATTACHMENT A4**  
**EXISTING ROADS MAP**





**Project Location**



**Legend**

- ▲ Ult 4-31
- Existing Road



0 0.125 0.25 0.5 0.75 1 Miles

**Ute Energy, LLC**

Ult 4-31  
Existing Roads

Figure A4

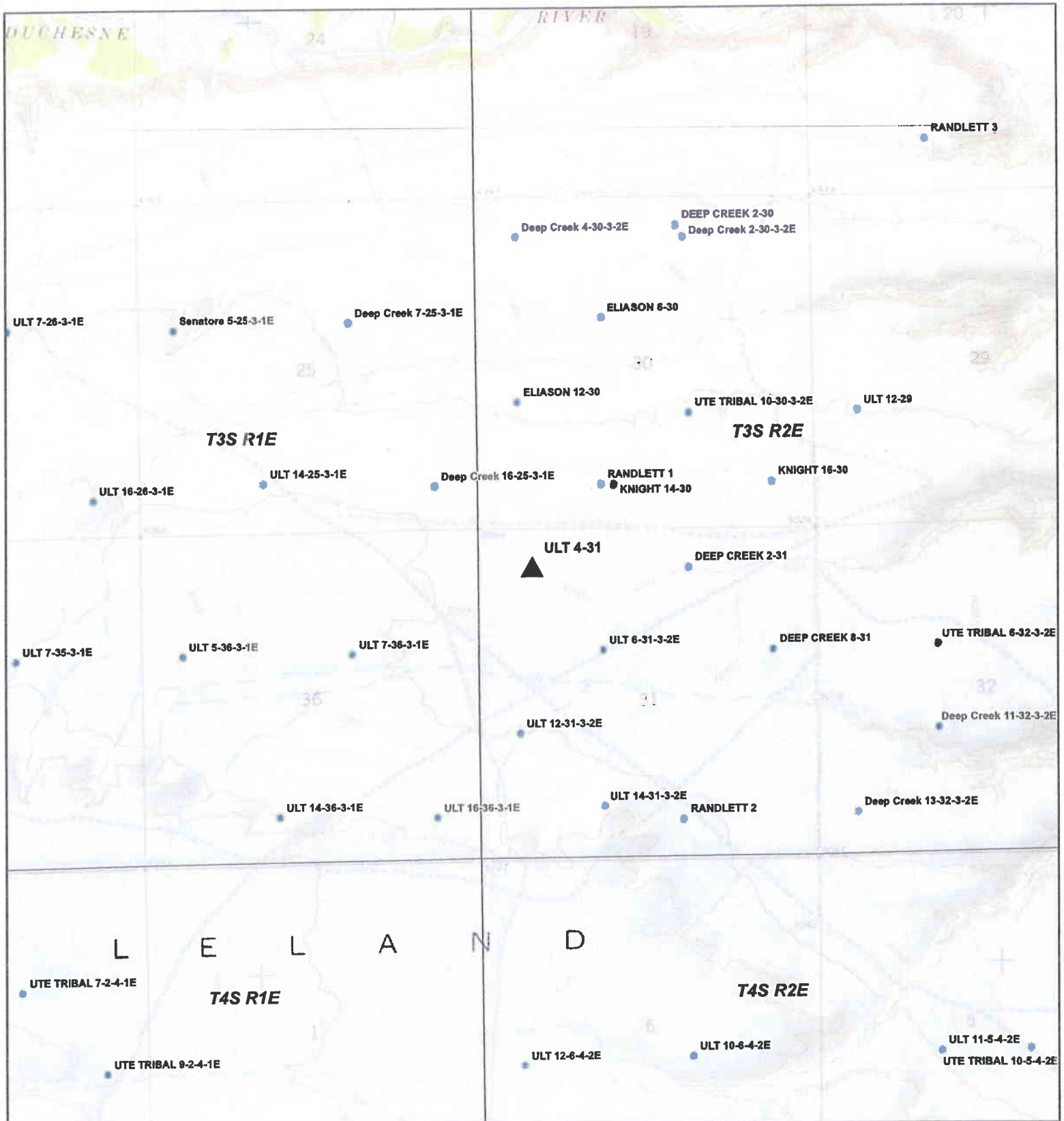
March 2012





**ATTACHMENT A5**  
**EXISTING WELLS**





### Project Location



### Legend

- ▲ Ult 4-31
- UDOGM Wells



0 0.125 0.25 0.5 0.75 1 Miles

### Ute Energy, LLC

Ult 4-31  
Existing Wells

Figure A5

March 2012





**ATTACHMENT B1**

**ULT 4-31**

**WELL RECORDS, CEMENT BOND LOGS,  
& SCHEMATIC**



**ATTACHMENT B2**

**DEEP CREEK 16-25-3-1E**  
**CEMENT BOND LOG**



**ATTACHMENT B3**

**DEEP CREEK 2-31  
CEMENT BOND LOG & SCHEMATIC**



**ATTACHMENT B4**

**KNIGHT 14-30  
CEMENT BOND LOG & SCHEMATIC**



**ATTACHMENT B5**  
**RANDLETT 1**  
**WELL ABANDONMENT RECORD**



**ATTACHMENT B6**

**ELIASON 12-30  
CEMENT BOND LOG & SCHEMATIC**



**ATTACHMENT B7**

**ULT 7-36-3-1E  
CEMENT BOND LOG**



**ATTACHMENT B8**

**ULT 12-31-3-2E  
CEMENT BOND LOG**



**ATTACHMENT C1**

**PROPOSED INJECTION WELL CONVERSION PLAN  
AND INJECTION WELL SCHEMATIC**





ULT 4-31

## **SWD CONVERSION PROCEDURES**

Section 31-T3S-R1E

Uintah County, Utah

API # 43-047-40017

**February 29, 2012**

### **OBJECTIVE**

MIRU to P&A existing perforations in the Green River formation & prep for conversion in a SWD well in the Birds Nest interval. Perforate Birds Nest interval & swab test well to recover a representative water sample from the formation for water analysis.

### **CURRENT WELL STATUS**

Currently the well is producing from the Green River Formation. A cement bond log was run on the 5-1/2" production casing and found top of cement at 660'.

### **CONVERSION PROCEDURE**

NOTE: All perfs picked from the SLB OH Triple Combo Log

1. **Safety is the highest priority.** Hold wellsite safety meetings each morning and prior to each significant operation. Review critical parameters and objectives as well as emergency action plans.
2. Hold and document pre-activity meeting, determine location of necessary equipment and rig up of same, be sure all necessary contractors are present and agree as to the layout of location.
3. TOOH w/ rods & pump & LD.
4. NU BOPE, and TOOH w/ existing 2-7/8" tbg.
5. MIRU WL unit and MUPU 5.5" CIBP & RIH to 5,000'. Set CIBP. POOH & MUPU dump bailer. RIH & dump bail 5' of cmt on top of CIBP.
6. Pressure test casing to 4,500 psi, hold for 15 minutes, monitor and record bleed off.



7. MUPU Perf Guns per design & RIH to perf Birds Nest interval.RDMOL WL
8. MUPU 5.5" Arrow set 1 pkr & TIH w/ same 2-7/8" 6.5# J-55 tubing. RIH set packer @ +/- 4,450'. Pressure test annulus to 1000 psi, monitor & record bleed off.
9. RU swab equipment. Swab 2x tbq volume and begin taking water samples. Test chloride count on location. Continue to swab until there is a consistent chloride count. Recover 5 samples. Send sample in for TDS analysis. Wait on analysis.
10. RD swab equipment.
11. ND BOP, NUWH. RDMO WOR.
12. Wait on permit to proceed.

Perforations Design

Zone	Top	Bottom	Gun Size	Holes	Total Holes
Birds Nest	4248	4253	5'	15	
Birds Nest	4260	4265	5'	15	
Birds Nest	4270	4275	5'	15	
Birds Nest	4280	4310	30'	90	
Birds Nest	4315	4340	25'	75	
Birds Nest	4350	4375	25'	75	
Birds Nest	4380	4390	10'	30	
Birds Nest	4395	4410	15'	45	360



DESCRIPTION				DEPTH	WELLBORE	WELL HISTORY				
8" Conductor				0'						
2 3/4" Surface Production Line (N-60) 200' 23' 00" 9-5/8" 500 2-05 BIC				754'		8-5/8" Surface Casing Completion Least: 375 ms 62 bbls	Cust Tool Surface			
Name				Description	Length	Depth				
5				Tubing Spool to Ground Level Adjustment						
4				Tubing Spool to Original PWS Adjustment						
3				WHS 2-1/4" x 5M Tapered Tubing Hanger						
2	130 Ja			2-3/4" 4.78 H-60 End EUE	4,230.00'	0.00'				
1				Packer		4,230.00'				
						4,230.00'				
						4,230.00'				
						4,230.00'				
						4,230.00'				
	130 Ja			End of Tubing	4,230.89'	4,230.89'				



**ATTACHMENT C2**  
**PLUGGING & ABANDONMENT PROCEDURE**





ULT 4-31-3-2E  
P&A PROCEDURES  
Section 31-T3S-R2E  
Uintah County, Utah  
API # 43-047-40017

April 11, 2012

AFE # 50525 SWD

**OBJECTIVE**

Plug and abandon the 4-31 SWD

**MATERIAL NEEDS:**

Cement: 86 sx of Class "G" cmt

**CURRENT WELL STATUS**

Currently the well is waiting on P&A.

**P&A PROCEDURE**

1. Call Dan Jarvis at 801-538-5338 24 hrs prior to conducting operations.
2. TOOH with pkr and tbgr.
3. TIH with tbgr and cmt retainer to 4200'
4. Pump 38 sx of Class "G" cmt, sting out of cmt retainer and spot 2 sx of Class "G" cmt on top of cmt retainer
5. TOOH w/ tbgr to 2500' and pump a 200' balance plug from 2500' to 2300'
6. TOOH w/ tbgr to 200' & pump a 200' (23 sx) balanced plug to surface (cmt top @ surface)
7. Weld steel cap on wellhead.

**CASING DATA**

STRING	SIZE	WEIGHT	GRADE	THREAD	CAPACITY	DEPTH
PRODUCTION	5-1/2"	17.0#	p-110	LTC	0.0232 BBL/FT	5005'



**ATTACHMENT D1**  
**LIST OF WELLS UTILIZING THE INJECTION WELL**



Well name	API #
UTE TRIBAL 1-5-4-2E	43047515560000
COLEMAN TRIBAL 1-7-4-2E	43047519370000
COLEMAN TRIBAL 1-8-4-2E	43047517270000
COLEMAN TRIBAL 1-18-4-2E	43047520010000
COLEMAN TRIBAL 2-18-4-2E	43047514880000
DEEP CREEK 2-31	43047400260000
COLEMAN TRIBAL 3-7-4-2E	43047520020000
GAVITTE 4-26-3-1E	43047520410000
ULT 4-31	43047400170000
ULT 4-36-3-1E	43047518950000
COLEMAN TRIBAL 5-7-4-2E	43047517330000
COLEMAN TRIBAL 5-18-4-2E	43047514890000
SENATORE 5-25-3-1E	43047515810000
ULT 5-26-3-1E	43047516500000
SZYNDROWSKI 5-27-3-1E	43047516590000
ULT 5-35-3-1E	43047516570000
ULT 5-36-3-1E	43047515770000
UTE TRIBAL 6-9-4-2E	43047515580000
COLEMAN TRIBAL 6-18-4-2E	43047514900000
ELIASON 6-30	43047385000000
UTE TRIBAL 6-32-3-2E	43047515550000
ULT 6-36-3-1E	43047518970000
COLEMAN TRIBAL 7-7-4-2E	43047517280000
COLEMAN TRIBAL 7-8-4-2E	43047514960000
DEEP CREEK TRIBAL 7-17-4-2E	43047514970000
ULT 7-26-3-1E	43047516510000
ULT 7-35-3-1E	43047516600000
COLEMAN TRIBAL 8-18-4-2E	43047514910000

Well name	API #
DEEP CREEK 8-31	43047400320000
DEEP CREEK TRIBAL 9-7-4-2E	43047517290000
ULT 9-26-3-1E	43047517550000
UTE TRIBAL 10-5-4-2E	43047515570000
ULT 10-6-4-2E	43047515690000
UTE TRIBAL 10-30-3-2E	43047515540000
ULT 11-5-4-2E	43047515740000
ULT 12-6-4-2E	43047515710000
ULT 12-29	43047400390000
ELIASON 12-30	43047400400000
ULT 12-31-3-2E	43047515850000
DEEP CREEK TRIBAL 13-7-4-2E	43047517460000
COLEMAN TRIBAL 13-18-4-2E	43047514920000
MARSH 13-35-3-1E	43047517540000
ULT 14-6-4-2E	43047515720000
COLEMAN TRIBAL 14-18-4-2E	43047514930000
ULT 14-25-3-1E	43047515840000
ULT 14-26-3-1E	43047516530000
KNIGHT 14-30	43047385010000
ULT 14-31-3-2E	43047515760000
MARSH 14-35-3-1E	43047516580000
ULT 14-36-3-1E	43047515790000
COLEMAN TRIBAL 15-18-4-2E	43047514940000
ULT 16-6-4-2E	43047515730000
DEEP CREEK 16-25-3-1E	43047515830000
ULT 16-26-3-1E	43047516520000
KNIGHT 16-30	43047384990000
ULT 16-36-3-1E	43047515800000



**ATTACHMENT D2**

**WATER ANALYSIS REPORTS  
GENERAL WATER QUALITY**





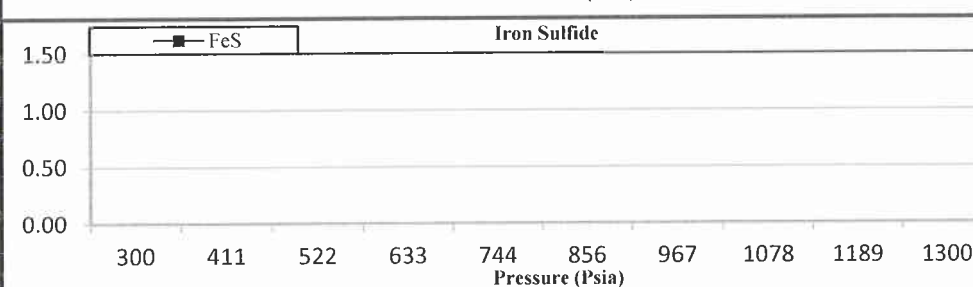
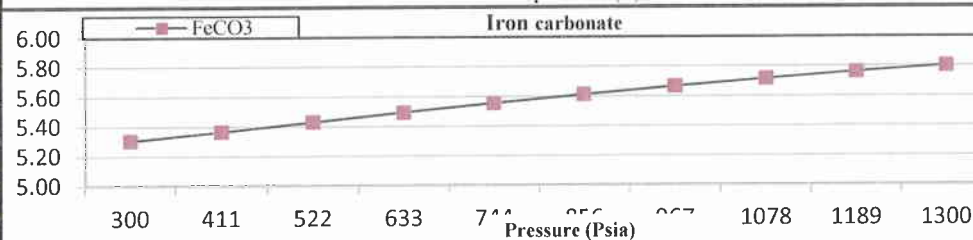
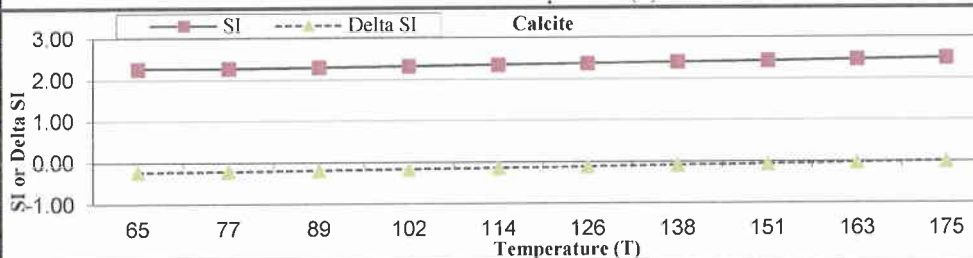
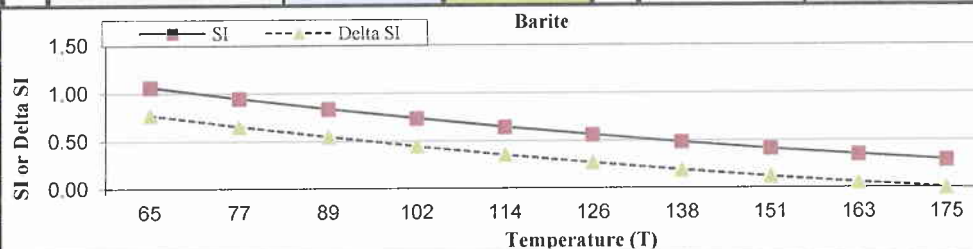
1465 East 1650 south Vernal UT 84078 (435) 789-2069 www.nalco.com

## Water Analysis Report

Field : Ute Energy, Randelette Sample Date : 3/25/2012  
 County : Uintah, UT Formation :  
 Location : 4-31 Rock Type :  
 Lab ID : Vernal, UT Depth : Analysed Date: 4/5/2012  
 Comments : Run 8/1st sample/12:45 PM/ 38 bbls Resistivity =.280

CATIONS	mg/l	Measured	Calculated	ANIONS	mg/l
Potassium	254.2	Total Dissolve Solid	102020.40	Sulfate	70.0
Sodium	33,329.1	Total Hardness	83.29	Chloride	20,000.0
Calcium	20.8	PH	8.77	Carbonate	0.0
Magnesium	7.7	Total H2S aq	0.00	Bicarbonate	106,811.0
Iron	82.2	Manganese	0.47	Bromide	0.0
Barium	36.1	PO4 Residual	0.00	Organic Acids	0.0
Strontium	1.1	SRB Vials Turned	0.00	Hydroxide	0.0
<b>SUM +</b>	<b>33,731.1</b>	APB Vials Turned	0.00	<b>SUM -</b>	<b>126,881.0</b>

Initial(BH)	Final(WH)
<b>Saturation Index values</b>	
<b>Calcite (CaCO<sub>3</sub>)</b>	
2.50	2.27
<b>Barite (BaSO<sub>4</sub>)</b>	
0.29	1.07
<b>Halite (NaCl)</b>	
-2.27	-2.20
<b>Gypsum</b>	
-3.31	-3.29
<b>Hemihydrate</b>	
-3.70	-4.05
<b>Anhydrite</b>	
-3.09	-3.56
<b>Celestite</b>	
-3.56	-3.59
<b>Iron Sulfide</b>	
0.00	0.00
<b>Zinc Sulfide</b>	
0.00	0.00
<b>Calcium fluoride</b>	
0.00	0.00
<b>Iron Carbonate</b>	
5.80	5.31
<b>Inhibitor needed (mg/L)</b>	
Calcite	NTMP
49.33	2.60
Barite	BHPMP
0.00	0.00



Lab Manager: Andrea Craig  
 Analysis by:





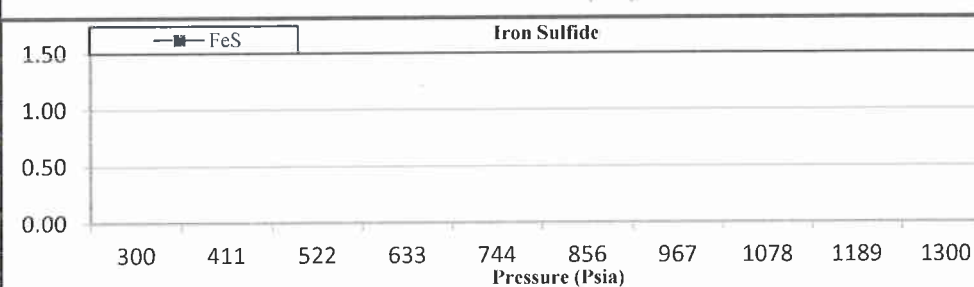
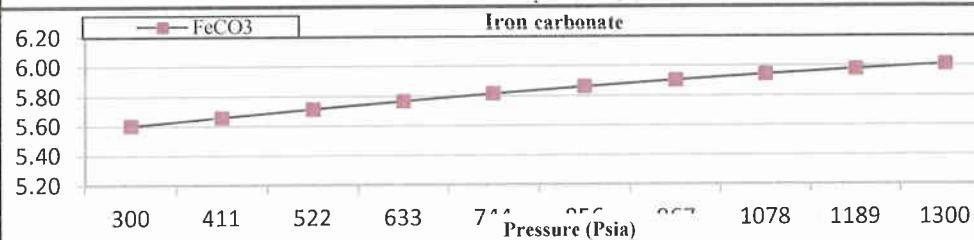
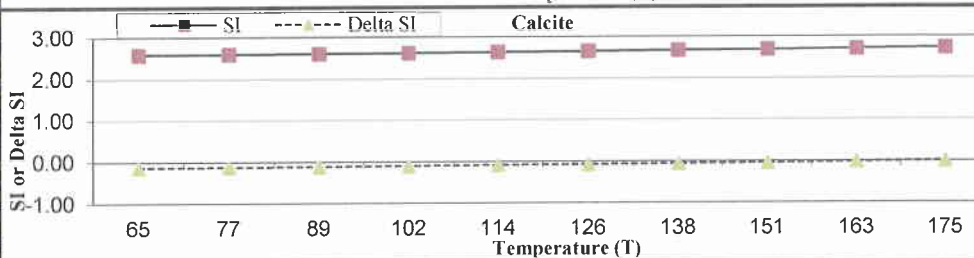
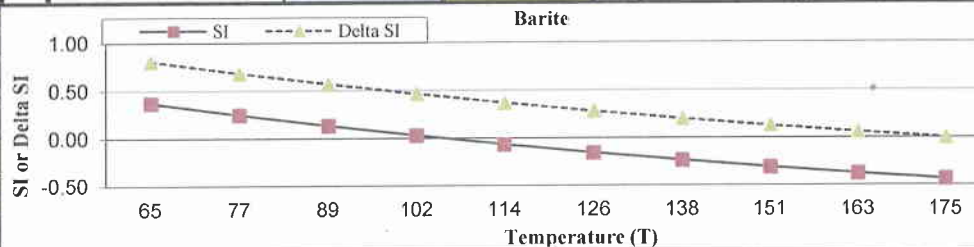
1465 East 1650 south Vernal UT 84078 (435) 789-2069 www.nalco.com

## Water Analysis Report

Field : Ute Energy, Randelette Sample Date : 3/25/2012  
 County : Uintah, UT Formation :  
 Location : 4-31 Rock Type :  
 Lab ID : Vernal, UT Depth : Analysed Date: 4/5/2012  
 Comments : Run 9/2nd sample/1:35 PM/ 43 bbls Resistivity = .210

CATIONS	mg/l	Measured	Calculated	ANIONS	mg/l
Potassium	254.2	Total Dissolve Solid	102020.40	Sulfate	70.0
Sodium	33,329.1	Total Hardness	83.29	Chloride	20,000.0
Calcium	20.8	PH	8.77	Carbonate	0.0
Magnesium	7.7	Total H2S aq	0.00	Bicarbonate	106,811.0
Iron	82.2	Manganese	0.75	Bromide	0.0
Barium	36.1	PO4 Residual	0.00	Organic Acids	0.0
Strontium	1.1	SRB Vials Turned	0.00	Hydroxide	0.0
<b>SUM +</b>	<b>33,731.1</b>	APB Vials Turned	0.00	<b>SUM -</b>	<b>126,881.0</b>

Initial(BH)	Final(WH)
<b>Saturation Index values</b>	
<b>Calcite (CaCO<sub>3</sub>)</b>	
2.73	2.60
<b>Barite (BaSO<sub>4</sub>)</b>	
-0.44	0.37
<b>Halite (NaCl)</b>	
-2.18	-2.11
<b>Gypsum</b>	
-3.90	-3.84
<b>Hemihydrate</b>	
-4.29	-4.60
<b>Anhydrite</b>	
-3.68	-4.10
<b>Celestite</b>	
-4.21	-4.20
<b>Iron Sulfide</b>	
0.00	0.00
<b>Zinc Sulfide</b>	
0.00	0.00
<b>Calcium fluoride</b>	
0.00	0.00
<b>Iron Carbonate</b>	
6.01	5.60
<b>Inhibitor needed (mg/L)</b>	
Calcite	NTMP
115.70	8.86
Barite	BHPMP
0.00	0.00



Lab Manager: Andrea Craig  
 Analysis by:





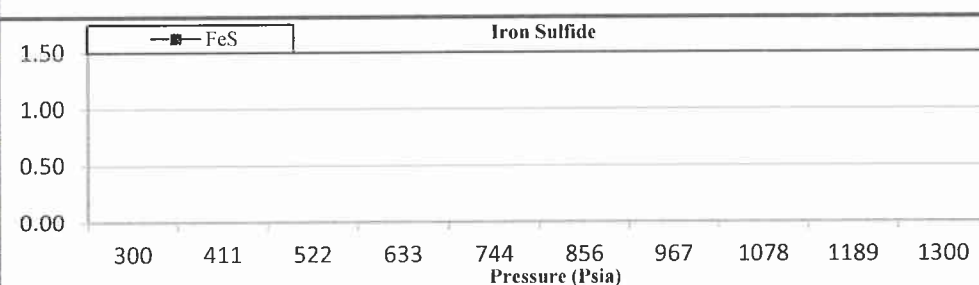
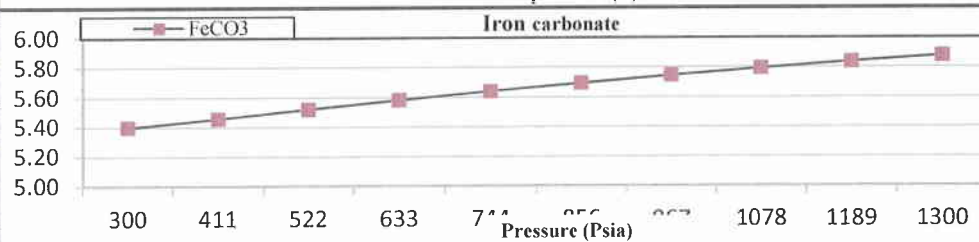
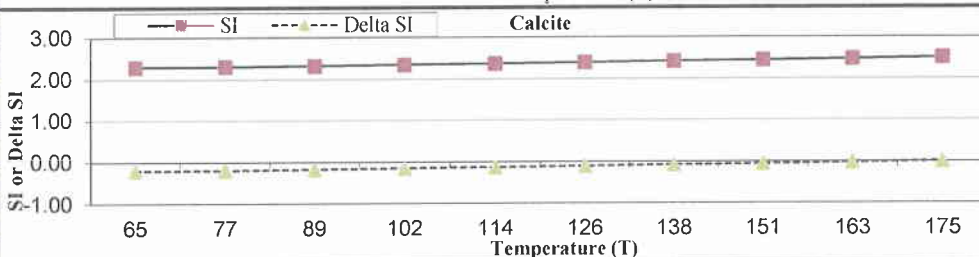
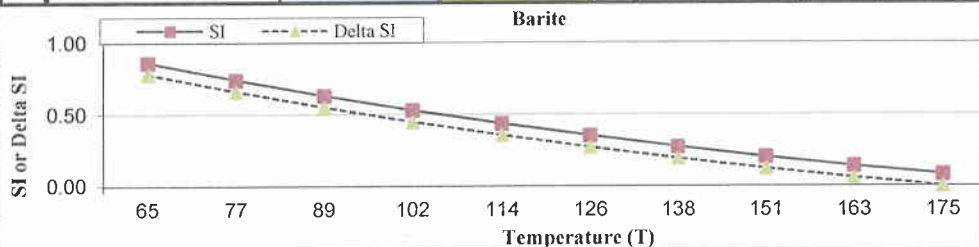
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## Water Analysis Report

Field :	Ute Energy, Randelette	Sample Date :	3/25/2012
County :	Uintah, UT	Formation :	
Location :	4-31	Rock Type :	
Lab ID :	Vernal, UT	Depth :	Analysed Date: 4/5/2012
Comments :	Run 10/3rd sample/2:45 PM/ 45 bbls Resistivity =.274		

CATIONS	mg/l		Measured	Calculated		ANIONS	mg/l
Potassium	254.2	Total Dissolve Solid	102020.40	0.00		Sulfate	70.0
Sodium	33,329.1	Total Hardness		83.29		Chloride	20,000.0
Calcium	20.8	PH	8.77	0.00		Carbonate	0.0
Magnesium	7.7	Total H2S aq	0.00	0.00		Bicarbonate	106,811.0
Iron	82.2	Manganese	0.60			Bromide	0.0
Barium	36.1	PO4 Residual	0.00			Organic Acids	0.0
Strontium	1.1	SRB Vials Turned	0.00			Hydroxide	0.0
<b>SUM +</b>	<b>33,731.1</b>	APB Vials Turned	0.00			<b>SUM -</b>	<b>126,881.0</b>

Initial(BH)	Final(WH)	SI or Delta SI		Temperature (T)
<b>Saturation Index values</b>				
<b>Calcite (CaCO<sub>3</sub>)</b>				
2.51	2.30			
<b>Barite (BaSO<sub>4</sub>)</b>				
0.08	0.86			
<b>Halite (NaCl)</b>				
-2.28	-2.20			
<b>Gypsum</b>				
-3.35	-3.31			
<b>Hemihydrate</b>				
-3.74	-4.08			
<b>Anhydrite</b>				
-3.13	-3.58			
<b>Celestite</b>				
-3.64	-3.66			
<b>Iron Sulfide</b>				
0.00	0.00			
<b>Zinc Sulfide</b>				
0.00	0.00			
<b>Calcium fluoride</b>				
0.00	0.00			
<b>Iron Carbonate</b>				
5.88	5.40			
<b>Inhibitor needed (mg/L)</b>				
Calcite	NTMP			
53.56	3.01			
Barite	BHPMP			
0.00	0.00			



Lab Manager: Andrea Craig  
Analysis by:





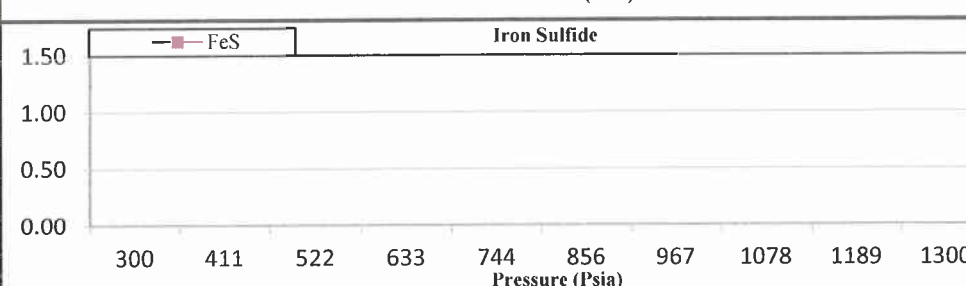
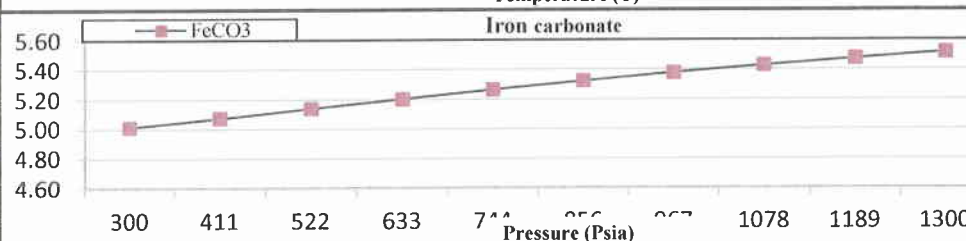
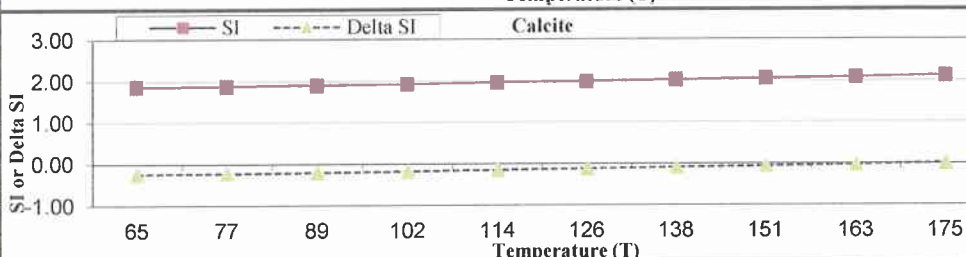
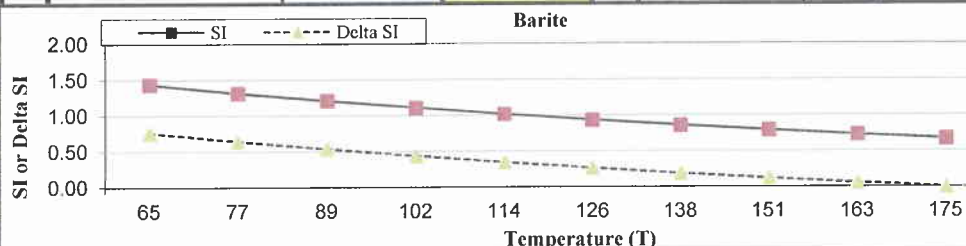
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## Water Analysis Report

Field : Ute Energy, Randelette Sample Date : 3/25/2012  
 County : Uintah, UT Formation :  
 Location : 4-31 Rock Type :  
 Lab ID : Vernal, UT Depth : Analysed Date: 4/5/2012  
 Comments : Run 11/4th sample/3:45 PM/ 47 bbls Resistivity = .281

CATIONS	mg/l	Measured	Calculated	ANIONS	mg/l
Potassium	254.2	Total Dissolve Solid	102020.40	Sulfate	70.0
Sodium	33,329.1	Total Hardness	83.29	Chloride	20,000.0
Calcium	20.8	PH	8.77	Carbonate	0.0
Magnesium	7.7	Total H2S aq	0.00	Bicarbonate	106,811.0
Iron	82.2	Manganese	0.30	Bromide	0.0
Barium	36.1	PO4 Residual	0.00	Organic Acids	0.0
Strontium	1.1	SRB Vials Turned	0.00	Hydroxide	0.0
<b>SUM +</b>	<b>33,731.1</b>	APB Vials Turned	0.00	<b>SUM -</b>	<b>126,881.0</b>

Initial(BH)	Final(WH)
<b>Saturation Index values</b>	
<b>Calcite (CaCO<sub>3</sub>)</b>	
2.10	1.86
<b>Barite (BaSO<sub>4</sub>)</b>	
0.67	1.43
<b>Halite (NaCl)</b>	
-2.27	-2.20
<b>Gypsum</b>	
-2.84	-2.82
<b>Hemihydrate</b>	
-3.22	-3.59
<b>Anhydrite</b>	
-2.62	-3.09
<b>Celestite</b>	
-2.88	-2.92
<b>Iron Sulfide</b>	
0.00	0.00
<b>Zinc Sulfide</b>	
0.00	0.00
<b>Calcium fluoride</b>	
0.00	0.00
<b>Iron Carbonate</b>	
5.52	5.01
<b>Inhibitor needed (mg/L)</b>	
Calcite	NTMP
11.57	0.46
Barite	BHPMP
0.06	0.07



Lab Manager: Andrea Craig  
 Analysis by:





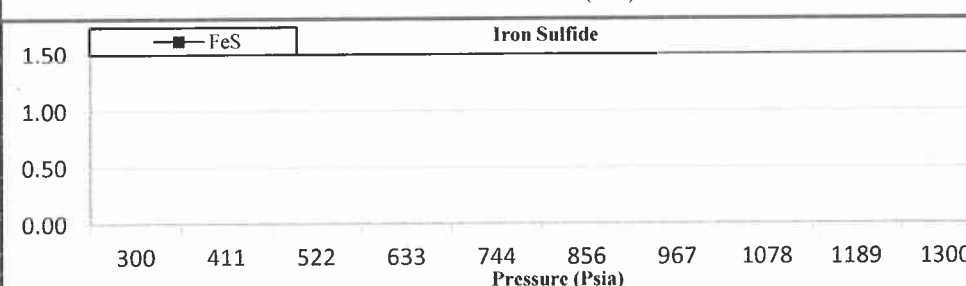
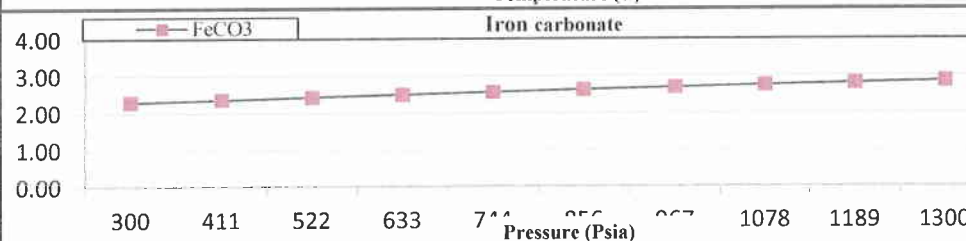
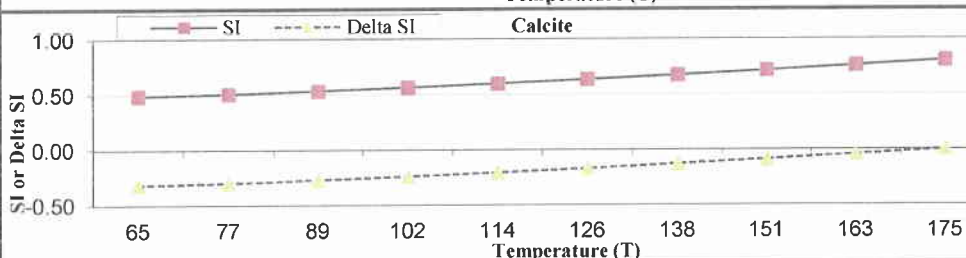
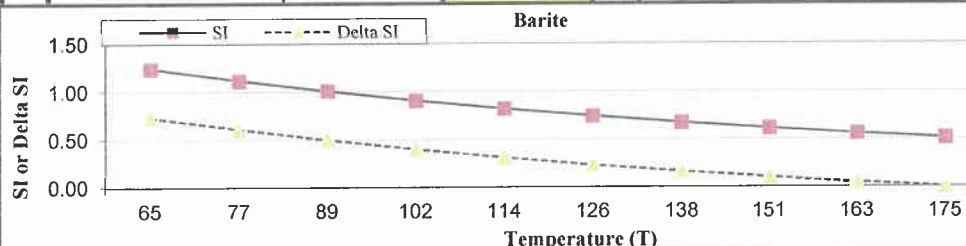
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## Water Analysis Report

Field : Ute Energy, Randelette Sample Date : 3/25/2012  
 County : Uintah, UT Formation :  
 Location : 2-31 Deep Creek Rock Type :  
 Lab ID : Vernal, UT Depth : Analysed Date: 4/5/2012  
 Comments : Resistivity = .274

CATIONS	mg/l		Measured	Calculated	ANIONS	mg/l
Potassium	102.1	Total Dissolve Solid	26026.80	0.00	Sulfate	730.0
Sodium	8,317.3	Total Hardness		122.66	Chloride	15,900.0
Calcium	33.6	PH	7.30	0.00	Carbonate	0.0
Magnesium	9.5	Total H2S aq	0.00	0.00	Bicarbonate	2,074.0
Iron	55.7	Manganese	0.20		Bromide	0.0
Barium	49.1	PO4 Residual	20.70		Organic Acids	0.0
Strontium	12.8	SRB Vials Turned	0.00		Hydroxide	0.0
<b>SUM +</b>	<b>8,580.0</b>	APB Vials Turned	0.00		<b>SUM -</b>	<b>18,704.0</b>

Initial(BH)	Final(WH)
Saturation Index values	
Calcite (CaCO <sub>3</sub> )	
0.81	0.49
Barite (BaSO <sub>4</sub> )	
0.51	1.24
Halite (NaCl)	
-2.71	-2.63
Gypsum	
-2.81	-2.82
Hemihydrate	
-3.22	-3.61
Anhydrite	
-2.62	-3.12
Celestite	
-1.36	-1.40
Iron Sulfide	
0.00	0.00
Zinc Sulfide	
0.00	0.00
Calcium fluoride	
0.00	0.00
Iron Carbonate	
2.86	2.30
Inhibitor needed (mg/L)	
Calcite	NTMP
0.00	0.00
Barite	BHPMP
0.00	0.02



Lab Manager: Andrea Craig  
 Analysis by:





1465 East 1650 south Vernal UT 84078 (435) 789-2069 www.nalco.com

## Water Analysis Report

Field :	Ute Energy, Randelette	Sample Date :	3/25/2012
County :	Uintah, UT	Formation :	
Location :	12-31-3-2E	Rock Type :	
Lab ID :	Vernal, UT	Depth :	Analysed Date: 4/5/2012
Comments :	Resistivity =.430		

CATIONS	mg/l	Measured	Calculated	ANIONS	mg/l
Potassium	102.1	Total Dissolve Solid	26026.80	Sulfate	730.0
Sodium	8,317.3	Total Hardness	122.66	Chloride	15,900.0
Calcium	33.6	PH	7.30	Carbonate	0.0
Magnesium	9.5	Total H2S aq	0.00	Bicarbonate	2,074.0
Iron	55.7	Manganese	3.56	Bromide	0.0
Barium	49.1	PO4 Residual	50.00	Organic Acids	0.0
Strontium	12.8	SRB Vials Turned	0.00	Hydroxide	0.0
<b>SUM +</b>	<b>8,580.0</b>	APB Vials Turned	0.00	<b>SUM -</b>	<b>18,704.0</b>

Initial(BH)	Final(WH)
-------------	-----------

### Saturation Index values

#### Calcite (CaCO<sub>3</sub>)

-0.14 -0.70

#### Barite (BaSO<sub>4</sub>)

0.64 1.37

#### Halite (NaCl)

-3.21 -3.13

#### Gypsum

-2.55 -2.57

#### Hemihydrate

-2.96 -3.36

#### Anhydrite

-2.37 -2.87

#### Celestite

-1.62 -1.68

#### Iron Sulfide

0.00 0.00

#### Zinc Sulfide

0.00 0.00

#### Calcium fluoride

0.00 0.00

#### Iron Carbonate

2.92 2.10

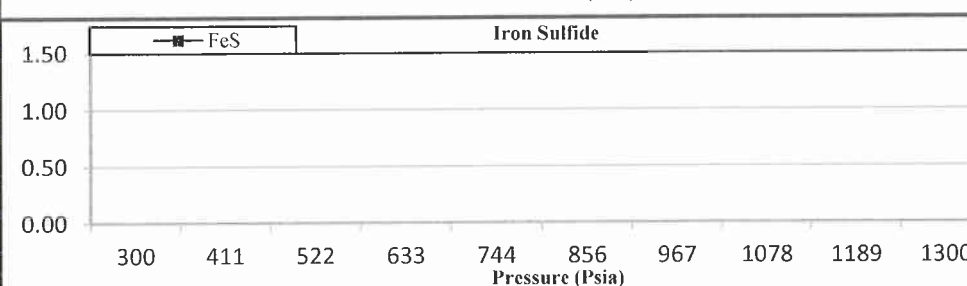
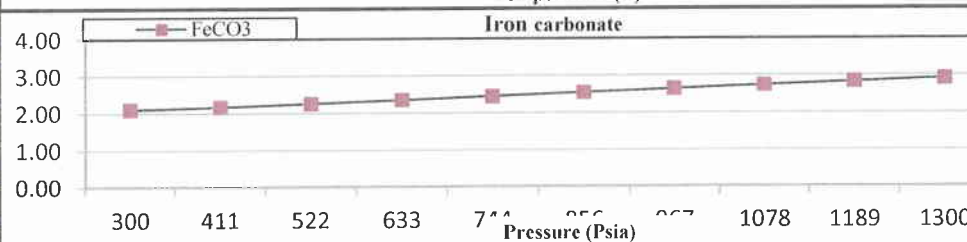
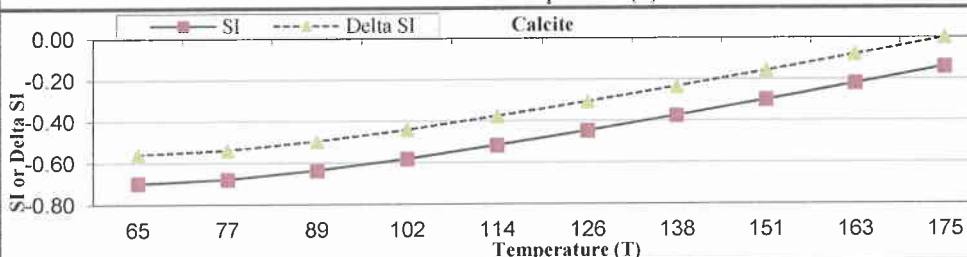
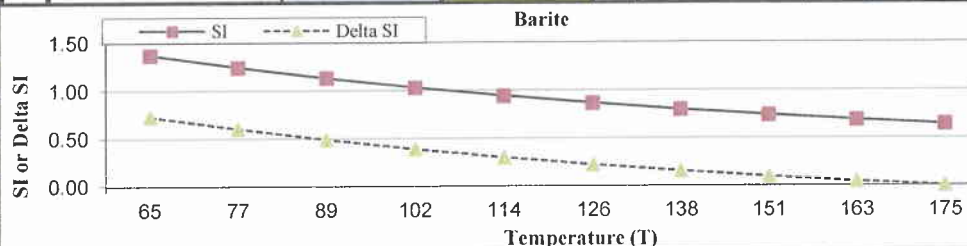
### Inhibitor needed (mg/L)

Calcite NTMP

0.00 0.00

Barite BHPMP

0.15 0.21



Lab Manager: Andrea Craig

Analysis by:





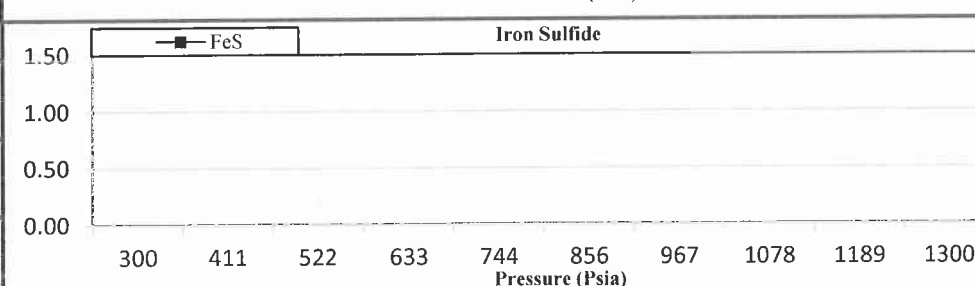
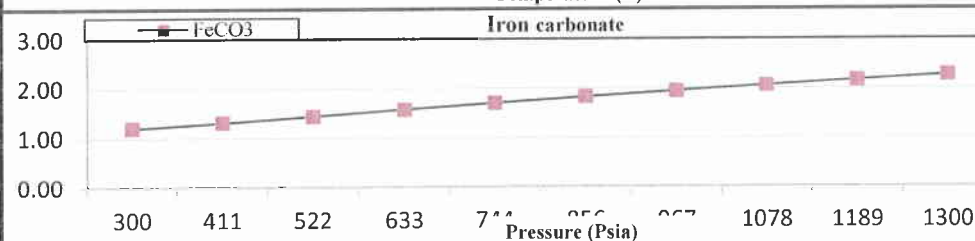
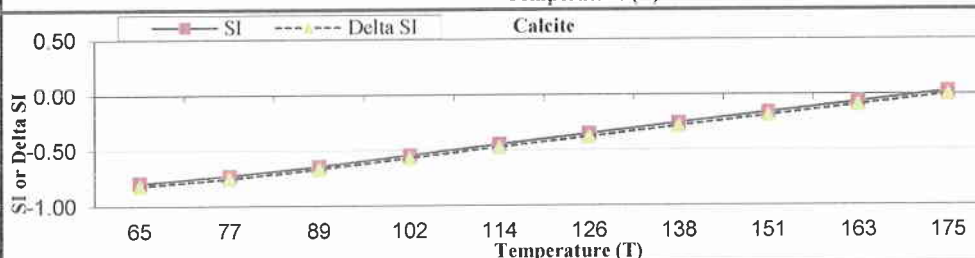
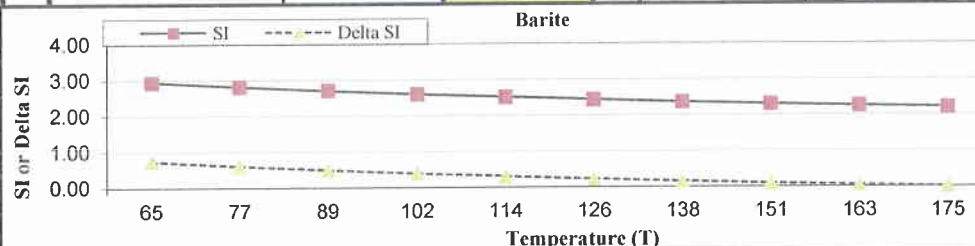
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## Water Analysis Report

Field : Ute Energy, Randelette Sample Date : 3/25/2012  
 County : Uintah, UT Formation :  
 Location : 8-31 Deep Creek Rock Type :  
 Lab ID : Vernal, UT Depth : Analysed Date: 4/5/2012  
 Comments : Resistivity = .262

CATIONS	mg/l	Measured	Calculated	ANIONS	mg/l
Potassium	102.1	Total Dissolve Solid	26026.80	Sulfate	730.0
Sodium	8,317.3	Total Hardness	122.66	Chloride	15,900.0
Calcium	33.6	PH	7.30	Carbonate	0.0
Magnesium	9.5	Total H2S aq	0.00	Bicarbonate	2,074.0
Iron	55.7	Manganese	0.49	Bromide	0.0
Barium	49.1	PO4 Residual	24.60	Organic Acids	0.0
Strontium	12.8	SRB Vials Turned	0.00	Hydroxide	0.0
<b>SUM +</b>	<b>8,580.0</b>	APB Vials Turned	0.00	<b>SUM -</b>	<b>18,704.0</b>

Initial(BH)	Final(WH)
Saturation Index values	
Calcite (CaCO <sub>3</sub> )	
0.03	-0.79
Barite (BaSO <sub>4</sub> )	
2.21	2.95
Halite (NaCl)	
-2.76	-2.68
Gypsum	
-1.98	-1.99
Hemihydrate	
-2.38	-2.78
Anhydrite	
-1.78	-2.29
Celestite	
-0.72	-0.76
Iron Sulfide	
0.00	0.00
Zinc Sulfide	
0.00	0.00
Calcium fluoride	
0.00	0.00
Iron Carbonate	
2.27	1.21
Inhibitor needed (mg/L)	
Calcite	NTMP
0.00	0.00
Barite	BHPMP
6.47	6.26



Lab Manager: Andrea Craig  
 Analysis by:



**ATTACHMENT E1**  
**UIC MONITORING FORMS**



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

UIC FORM 3

**MONTHLY INJECTION REPORT**

Operator: \_\_\_\_\_  
Address: 1875 Lawrence, Suite 200  
city Denver  
state CO zip 80202

Report Period: \_\_\_\_\_  
Phone Number: (720) 420-3200  
Amended Report ☐ (highlight changes)

Well Name and Number <u>ULT 4-31</u>	API Number <u>4304740017</u>
Location of Well  Footage : <u>663 FNL 664 FWL</u> County : <u>Uintah</u> QQ, Section, Township, Range: <u>NWNW 31 R2E</u> State : <u>UTAH</u>	Field or Unit Name <u>Randlett Field</u> Lease Designation and Number <u>Fee</u>

Date	Volume Disposed	Hours in Service	Maximum Pressure	Average Operating Pressure	Tubing / Casing Annulus Pressure
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					

Total volume injected for month \_\_\_\_\_ All time cumulative volume injected \_\_\_\_\_

I hereby certify that this report is true and complete to the best of my knowledge.

Name (Please Print) \_\_\_\_\_ Title \_\_\_\_\_  
Signature \_\_\_\_\_ Date \_\_\_\_\_



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

UIC FORM 4

**ANNUAL FLUID INJECTION REPORT**

Operator: \_\_\_\_\_  
Address: 1875 Lawrence, Suite 200  
city Denver  
state CO zip 80202

Report Period: January 1 – December 31, 20\_\_\_\_  
Phone Number: (720) 420-3200  
Amended Report ☐ (highlight changes)

**PURPOSE OF FLUID INJECTION**

Enhanced Recovery ☐ LPG Storage ☐ Disposal ☒  
Complete applicable sections below

**ENHANCED RECOVERY OR LPG STORAGE PROJECT**

Field or unit name	
Formation and depth	
County / counties	
Nature of injected fluid:	<input type="checkbox"/> Gas <input type="checkbox"/> Fresh water <input type="checkbox"/> Other _____ <input type="checkbox"/> LPG <input type="checkbox"/> Salt water
Average daily injection volume (barrels or MCF)	
Number of active injection wells	
Number of shut-in injection wells	
Average wellhead injection pressure (psig)	
If all or part of injected fluid is fresh water, accurately describe source: _____ _____	
Briefly describe any major project changes and/or well testing programs performed during the year. Attach additional pages if necessary. _____ _____	

**DISPOSAL WELL**

Well name and number	ULT 4-31	API number	4304740017
Formation and depth	Green River	4,949	
Well location:	QQ NWNW Section 31	Township	Range 2E County Uintah
Average daily disposal volume (barrels)			
Average daily wellhead pressure (psig)			
Briefly describe any major repair performed on the well during the year. Attach additional pages if necessary. _____ _____			

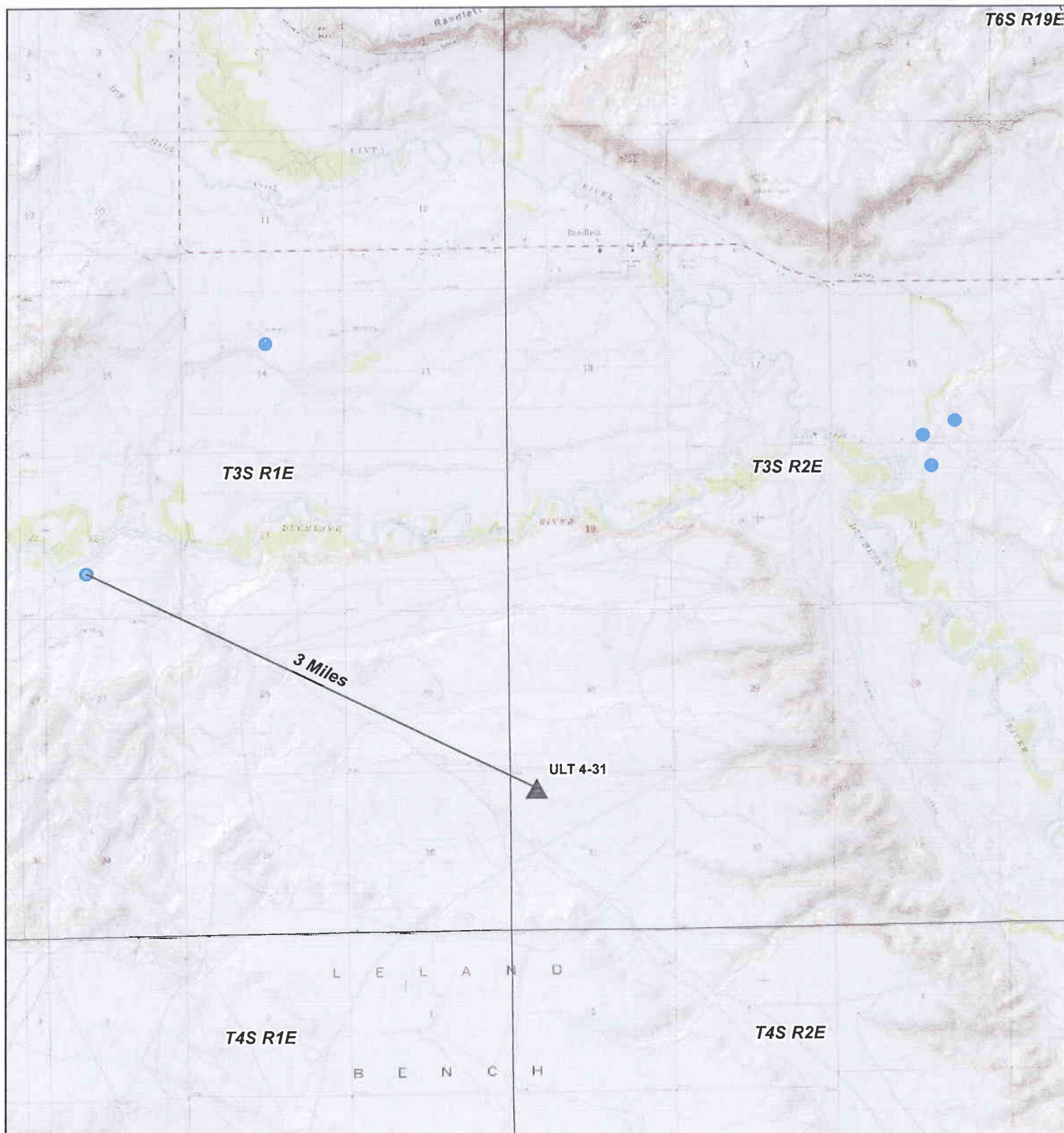
I hereby certify that this report is true and complete to the best of my knowledge.

Name (Please Print) \_\_\_\_\_ Title \_\_\_\_\_  
Signature \_\_\_\_\_ Date \_\_\_\_\_



**ATTACHMENT F1**  
**CLOSEST WATER WELL MAP**





### Project Location



### Legend

- ▲ Ult 4-31
- Water Wells



0 0.25 0.5 1 1.5 2 Miles

### Ute Energy, LLC

Ult 4-31  
Closest Water Well

Figure C1

March 2012





**ATTACHMENT F2**  
**PRODUCED WATER ANALYTICAL RESULTS**



ULT 4-31 UIC Permit - General Chemistry

DATE	ANALYZE DATE	LOCATION (WELL)	COMMENTS /DETAILS	pH	TDS mg/l	Total Hardness mg/l	Potassium mg/l	Magnesium mg/l	Iron mg/l	Zinc mg/l	Boron mg/l	Barium mg/l	Strontium mg/l	Total mg/l
3/25/2012	3/29/2012	4-31	RUN 8/1ST SAMPLE/12:45 PM/38 BBLS	8.8	85,956.02	94.15029	231.574982	8.906340599	80.37907	0.843209	449.9882	40.24377	1.111856937	35031.22
3/25/2012	3/29/2012	4-31	RUN 9/2ND SAMPLE/1:35 PM/43 BBLS	8.77	102,020.40	83.28194	254.205276	7.650135994	82.23956	7.764269	485.8577	36.05181	1.11038506	33729.96
3/25/2012	3/29/2012	4-31	RUN 10/3RD SAMPLE/2:45 PM/45 BBLS	8.76	87,416.37	78.23942	217.504303	6.623497009	69.92233	5.13067	562.9612	26.97113	0.981881917	34182.77
3/25/2012	3/29/2012	4-31	RUN 11/4TH SAMPLE/3:45 PM/47 BBLS	8.78	82,208.80	44.92803	224.514297	4.483174324	45.40392	1.749259	594.676	13.35932	0.74750632	34362
3/25/2012	3/29/2012	8-31-3-2E	FLOWBACK	7.3	26,026.80	122.6631	102.132988	9.460520744	55.72852	-0.76346	11.12021	49.0607	12.83746243	8567.202
3/25/2012	3/29/2012	2-31-3-2E	FLOWBACK	8.74	25,999.26	74.53045	60.3391724	9.6621418	18.12104	-2.432	9.717227	2.570884	7.985384941	9849.819
3/25/2012	3/29/2012	12-31-3-2E	FLOWBACK	7.71	15,090.33	122.1949	33.9791527	5.395073891	447.1089	4.362049	6.434186	5.336849	6.812830925	5192.329

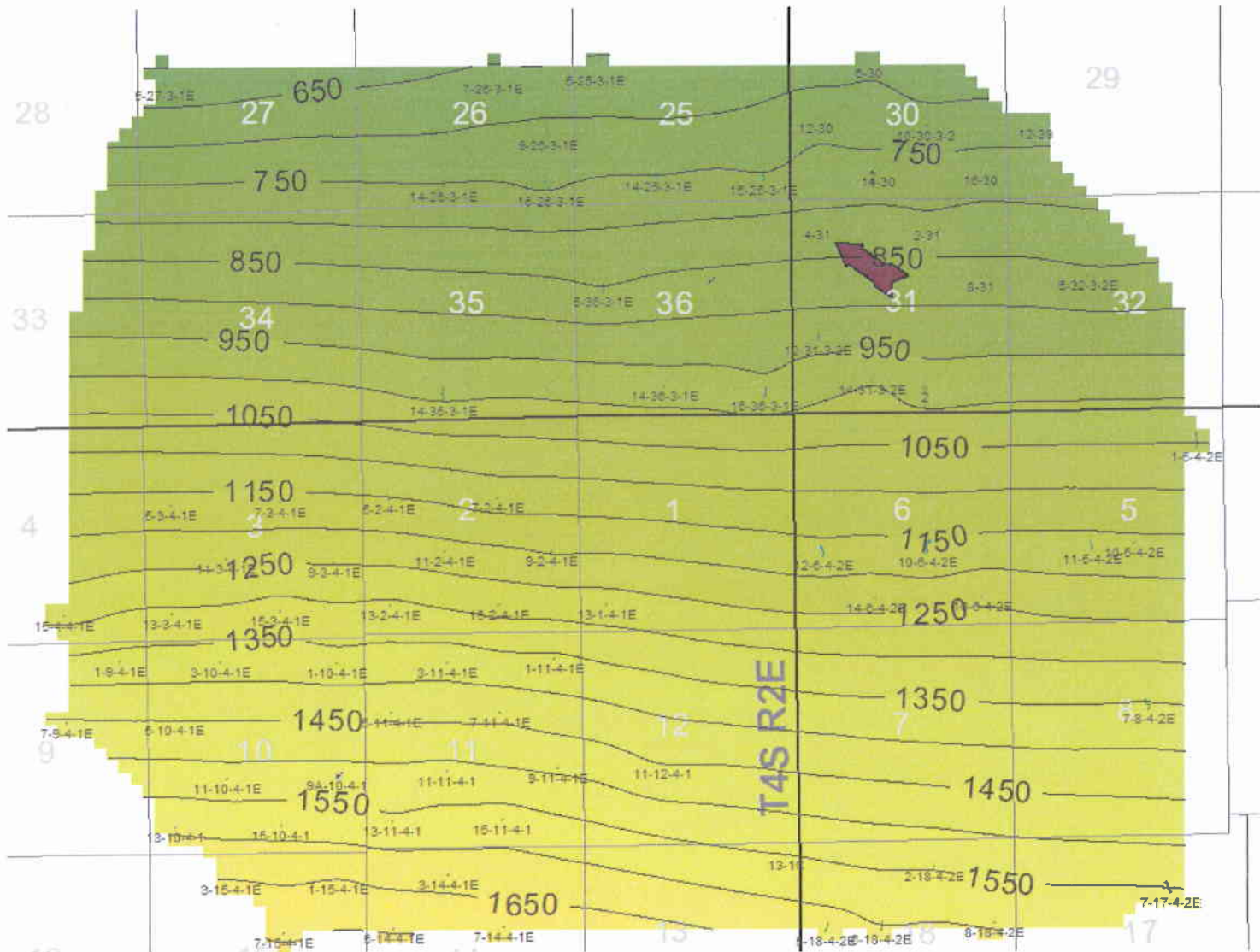
DATE	ANALYZE DATE	LOCATION (WELL)	COMMENTS /DETAILS	Sulfate mg/l	Sodium mg/l	Calcium mg/l	Chloride mg/l	Carbonate mg/l	Bicarbonate mg/l	Total mg/l	PO4 Residual ppm	Manganese mg/l
3/25/2012	3/29/2012	4-31	RUN 8/1ST SAMPLE/12:45 PM/38 BBLS	200	34647.06	23.05372	15000	14160	75152	104512		0.468282
3/25/2012	3/29/2012	4-31	RUN 9/2ND SAMPLE/1:35 PM/43 BBLS	70	33329.05	20.76655	20000	13740	106811	140621		0.745113
3/25/2012	3/29/2012	4-31	RUN 10/3RD SAMPLE/2:45 PM/45 BBLS	200	33841.32	20.43323	15300	12960	81374	109834		0.599977
3/25/2012	3/29/2012	4-31	RUN 11/4TH SAMPLE/3:45 PM/47 BBLS	1170	34063.63	10.61881	14900	13440	66002	95512		0.302448
3/25/2012	3/29/2012	8-31-3-2E	FLOWBACK	730	8317.27	33.55	15900	0	2074	18704	24.6	0.489702
3/25/2012	3/29/2012	2-31-3-2E	FLOWBACK	280	9745.159	13.96627	15300	228	1195.6	17003.6	20.7	0.200436
3/25/2012	3/29/2012	12-31-3-2E	FLOWBACK	110	4660.479	40.03004	9300	0	1220	10630	50	3.560593



**ATTACHMENT F3**  
**STRUCTURE MAP**  
**BASE OF UPPER CONFINING LAYER**



Bottom of Upper Confining Zone Structure Map

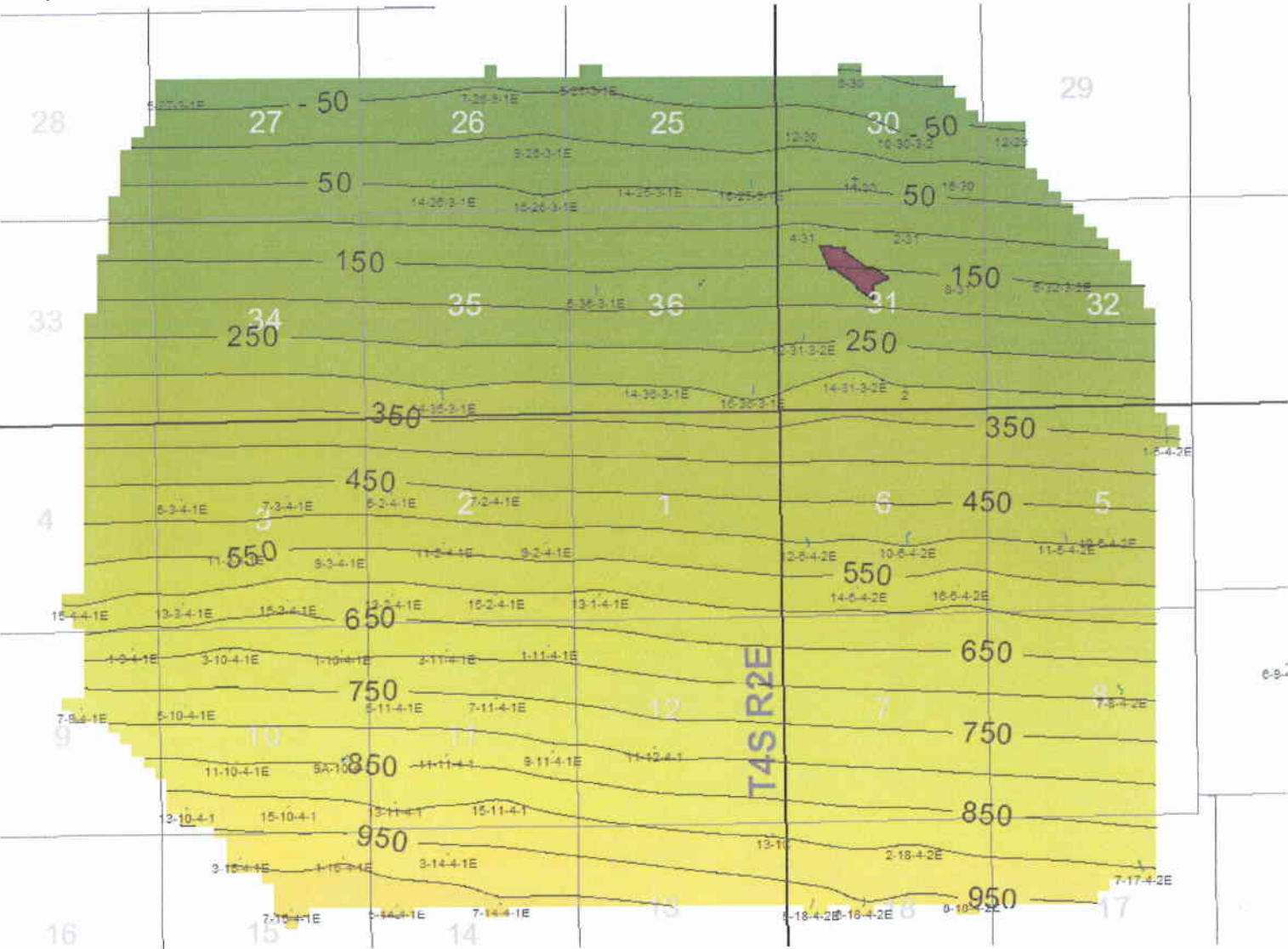




**ATTACHMENT F4**  
**STRUCTURE MAP**  
**TOP OF LOWER CONFINING LAYER**



Top of Lower Confining Zone Structure Map





**ATTACHMENT F4**  
**ISOPACH MAP OF INJECTION INTERVAL**





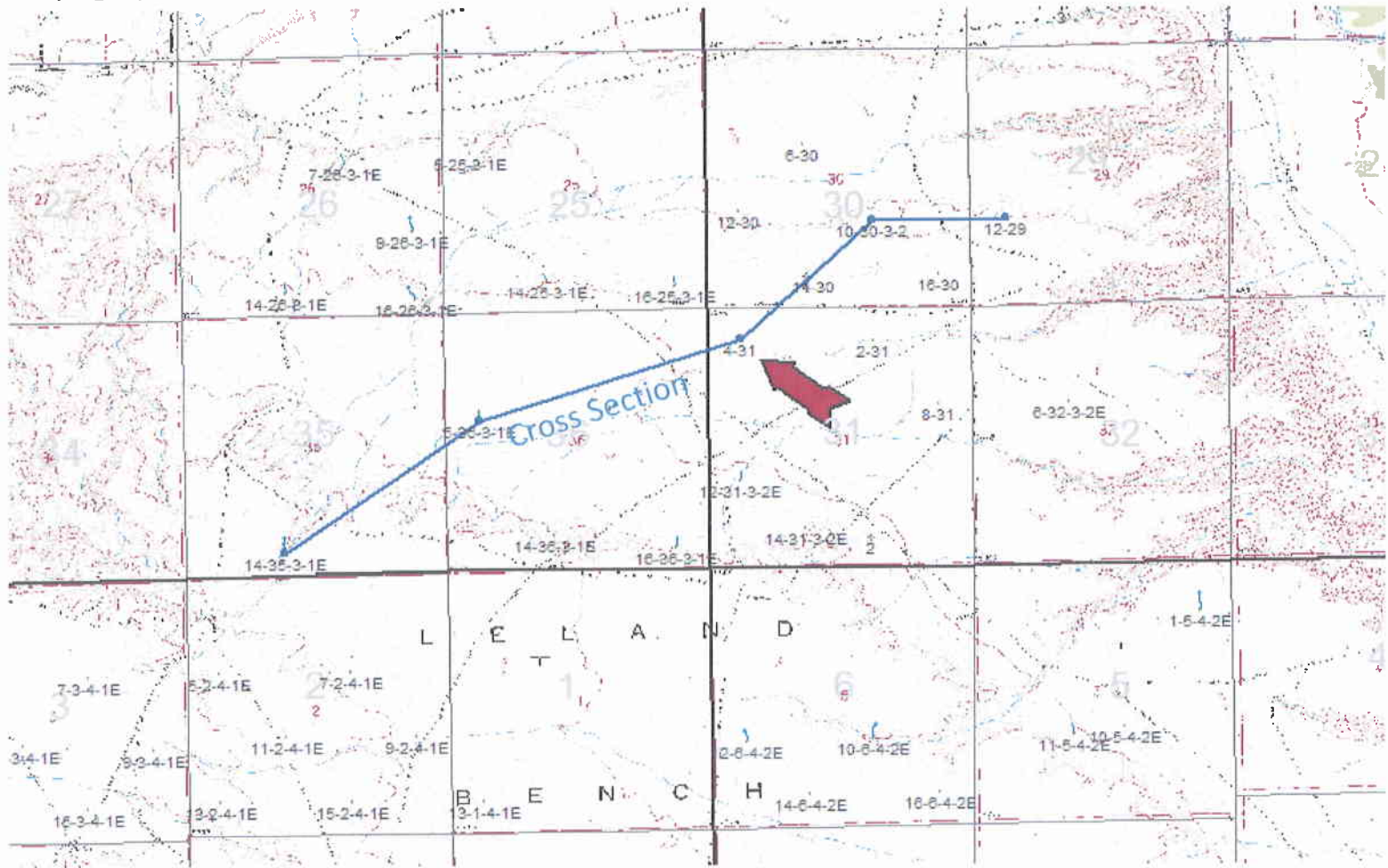


**ATTACHMENT F6**

**CROSS-SECTION OF THE CONFINING LAYERS  
AND INJECTION ZONES**

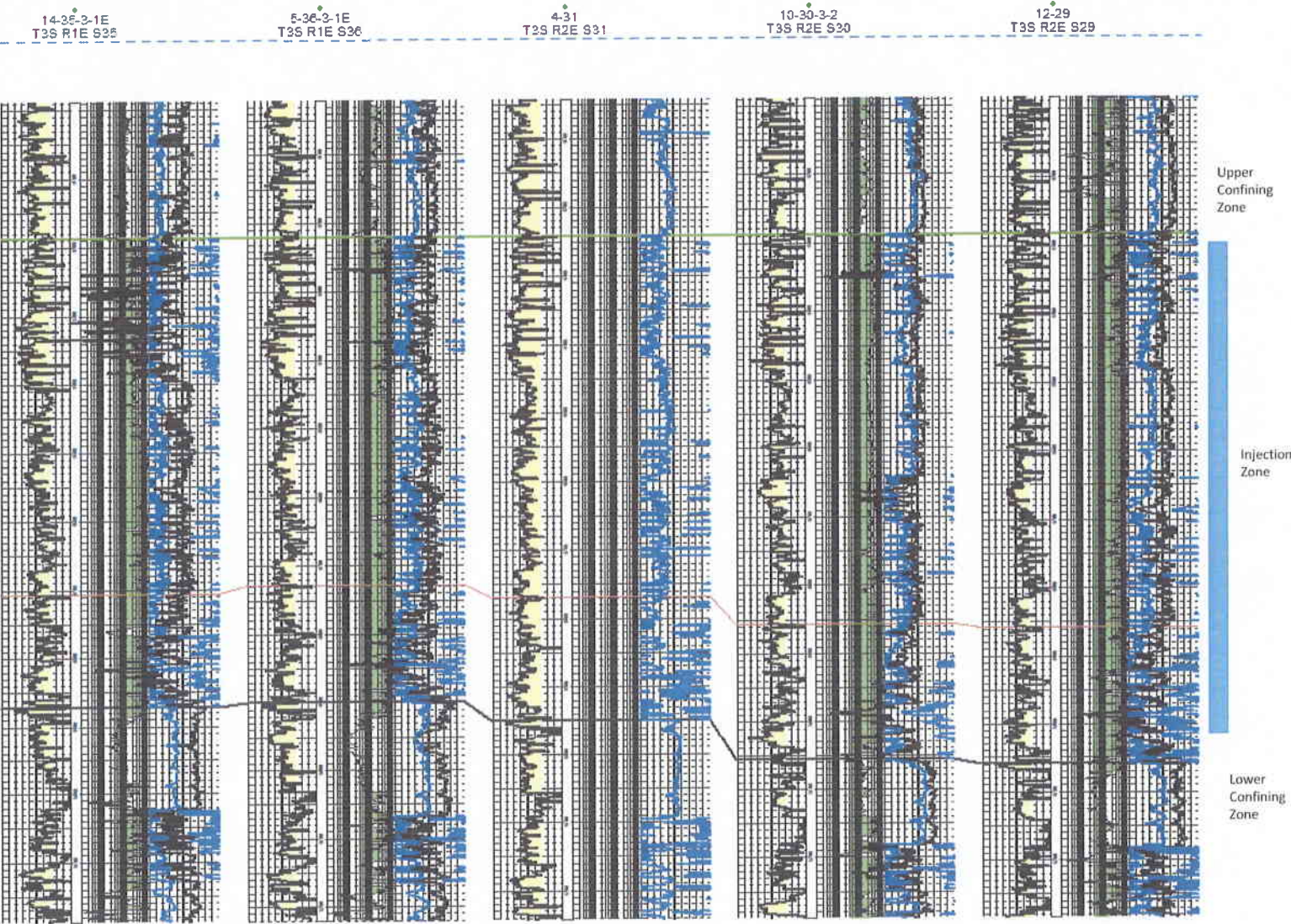


Topographic Map including Cross Section





Cross Section West - East





**ATTACHMENT G1**  
**AFFIDAVIT NOTIFICATION**



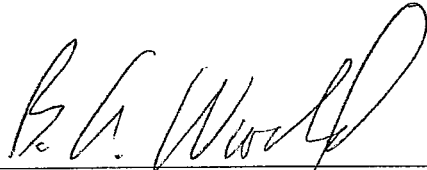
## AFFIDAVIT OF MAILING

Ute Energy, 1875 Lawrence, Suite 200, Denver, Colorado, 80202 has identified all of the operators, owners, and surface owners within a one-half mile radius of the proposed injection well.

I, Brad A. Woodard, Project Manager II, Kleinfelder, being first duly sworn, depose and state as follows; On April 9, 2012, I caused to be mailed by certified mail, postage prepaid, return receipt requested, an affidavit certifying that a copy of the application has been provided to all operators, owners, and surface owners within a one-half mile radius of the proposed injection well

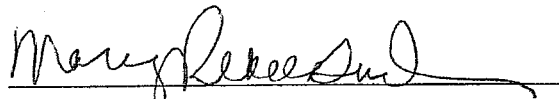
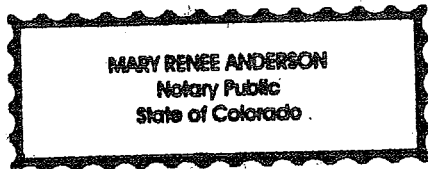
The attached list contains the names of all parties who were notified.

Dated this 9th day of April, 2012



Brad A. Woodard, C.P.G.  
Project Manager II  
Kleinfelder

The forgoing affidavit was subscribed and sworn to before me by Brad A. Woodard.  
This 9th day of April, 2012

  
Colorado, Notary Public  
Comm. Exp 5/27/2016



Mark,

Please see the attached summaries from ScaleSoftPitzer. The Cations & Anions are listed in the standardized units of mg/l in the summary heading. These are grouped according to charge and then a value is assigned based on ICP analysis expressed by weight (mg/l). Cations are lighter in weight than Anions and therefore will have a lower value.

For example; Run 8/ 1st Sample/ 12:45 PM 38 bbls

Cations: +35,032.3 mg/l (total)

Anions: -90,352.0 mg/l (total)

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In regards to ascertaining if the Cations & Anions balance electrically we need to use milli. equivalents/ liter which takes into account both the molecular or atomic weight of the species you're interested in and it's valence-for example sodium has an atomic weight of 23 and a valence of 1 (the ion is +1), whereas carbonate has a molecular weight of 60 and a valence of 2 (= equivalence of 30). The ScaleSoftPitzer software will do these calculations as a "Quality Control Check at STP" Standard Temperature and Pressure. I have used this function for each of the water analysis' for the ULT 4-31 and posted the results in blue at the top of the report.

For example; Run 8/ 1st Sample/ 12:45 PM 38 bbls

Milli Equiv./ Liter Cations= +1.519

Milli Equiv./ Liter Anions= -1.659

(Cations & Anions within 8.4% of each other)

The discrepancy here between these two values is within the acceptable range (around 10%) and usually due to acid gases not in the sample (e.g. CO<sub>2</sub>, ammonia etc.). Overall average between all 5 samples is 13% which most likely can be attributed to acid gases not in the sample, and the method the samples were gathered by (swabbing) and the subsequent variability introduced. In summary, I believe the lab and ScaleSoftPitzer analysis' reflect the water that was sampled. Please let me know if this information and the attached reports meet your needs.

Thanks

Joe Jagers



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# Water Analysis Report

Field : **Randelette** Sample Date : **3/25/2012**  
 County : **Uintah, UT** Formation :  
 Location : **4-31** Rock Type :  
 Lab ID : Depth : **Analysed Date: 5/18/2012**  
 Run 12/5th Sample/4:45 PM 48 bbls Resistivity = .264 (Milli Equiv./ Liter Cations=+1.161, Anions=-1.144)

CATIONS	mg/l		Measured	Calculated		ANIONS	mg/l
Potassium	183.0		Total Dissolve Solid	62464.51	79992.26	Sulfate	440.0
Sodium	26,517.0		Total Hardness		106.73	Chloride	15,800.0
Calcium	9.4		PH	8.63	8.63	Carbonate	0.0
Magnesium	20.3		Total H2S aq	0.00	0.00	Bicarbonate	42,029.0
Iron	16.3		Manganese	0.16		Bromide	0.0
Barium	2.9		PO4 Residual	0.00		Organic Acids	0.0
Strontium	4.2		SRB Vials Turned	0.00		Hydroxide	0.0
SUM +	26,753.1		APB Vials Turned	0.00		SUM -	58,269.0

Initial(BH) Final(WH)

## Saturation Index values

### Calcite (CaCO<sub>3</sub>)

1.27 1.63

### Barite (BaSO<sub>4</sub>)

0.10 0.59

### Halite (NaCl)

-2.32 -2.26

### Gypsum

-3.13 -3.08

### Hemihydrate

-3.71 -3.84

### Anhydrite

-3.12 -3.32

### Celestite

-2.30 -2.26

### Iron Sulfide

0.00 0.00

### Zinc Sulfide

0.00 0.00

### Calcium fluoride

0.00 0.00

### Iron Carbonate

4.36 4.54

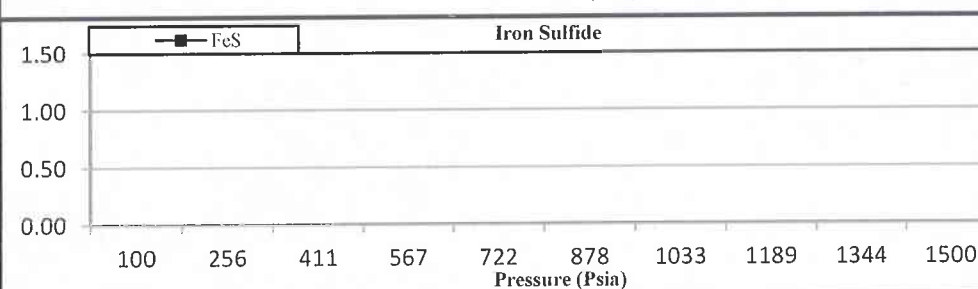
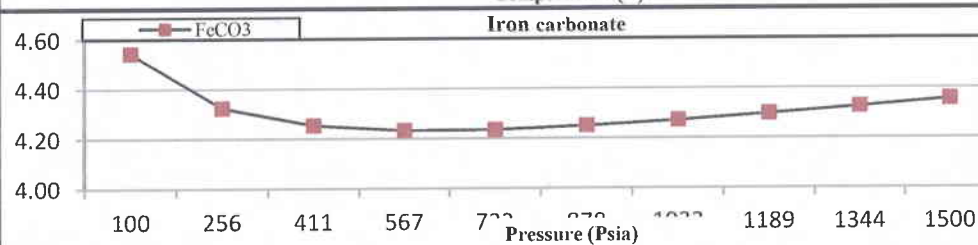
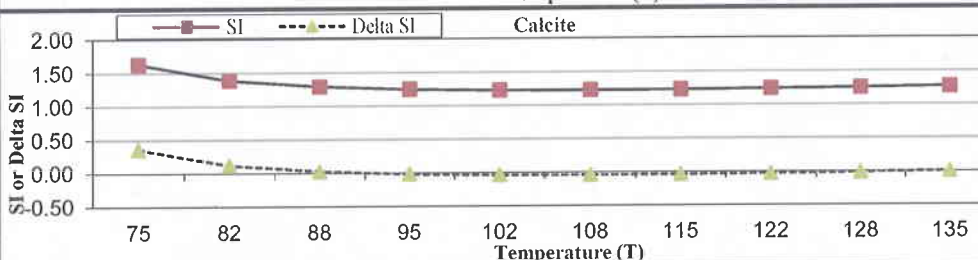
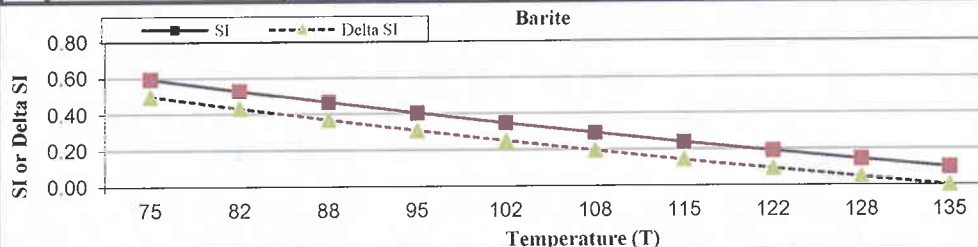
## Inhibitor needed (mg/L)

Calcite NTMP

0.19 0.20

Barite BHPMP

0.00 0.00



Lab Manager: Andrea Craig  
 Analysis by:



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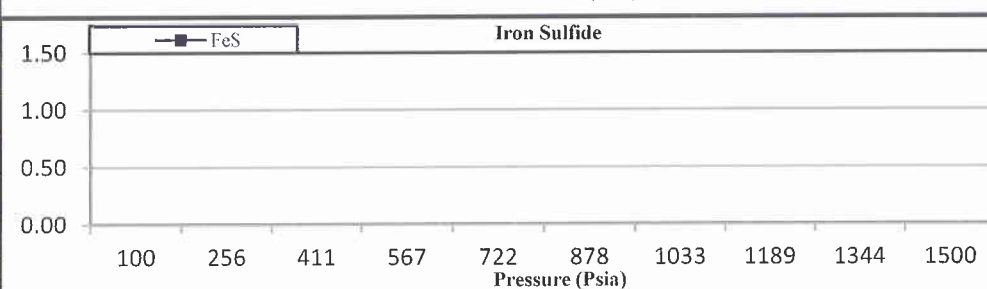
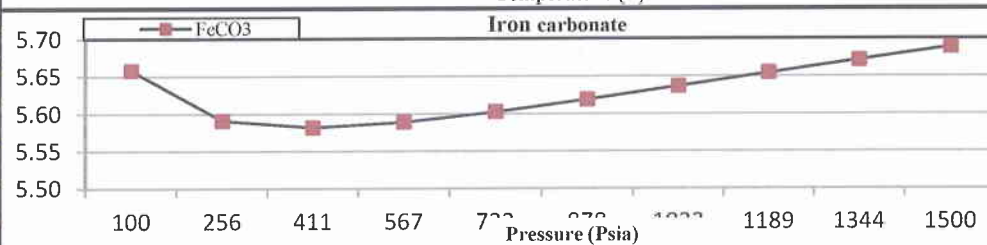
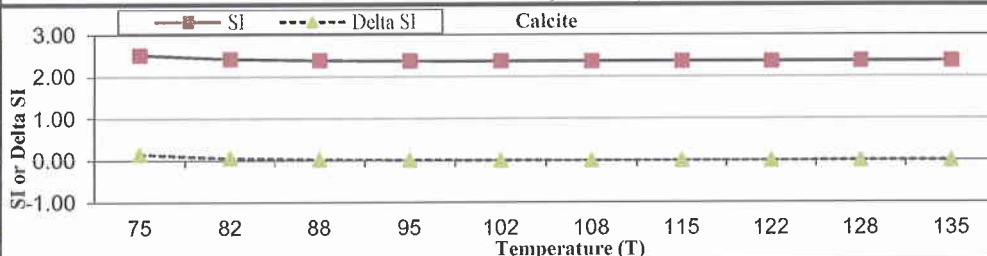
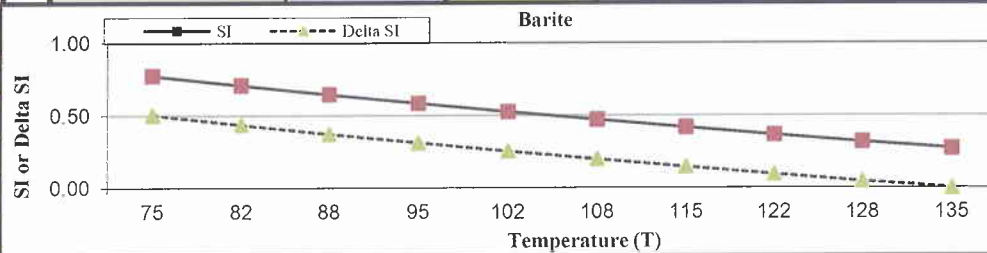
# Water Analysis Report

Field : Randelette Sample Date : 3/25/2012  
 County : Uintah, UT Formation :  
 Location : 4-31 Rock Type :  
 Lab ID : Depth : Analysed Date: 5/18/2012

Run 10/3rd Sample/2:45 PM 45 bbls Resistivity = .274 (Milli Equiv./ Liter Cations=+1.482, Anions=-1.770)

CATIONS	mg/l	Measured	Calculated	ANIONS	mg/l
Potassium	217.5	Total Dissolve Solid	87416.37	Sulfate	200.0
Sodium	33,841.3	Total Hardness	78.22	Chloride	15,300.0
Calcium	20.4	PH	8.76	Carbonate	0.0
Magnesium	6.6	Total H2S aq	0.00	Bicarbonate	81,374.0
Iron	69.9	Manganese	0.60	Bromide	0.0
Barium	27.0	PO4 Residual	0.00	Organic Acids	0.0
Strontium	1.0	SRB Vials Turned	0.00	Hydroxide	0.0
<b>SUM +</b>	<b>34,183.7</b>	APB Vials Turned	0.00	<b>SUM -</b>	<b>96,874.0</b>

Initial(BH)	Final(WH)
Saturation Index values	
Calcite (CaCO <sub>3</sub> )	
2.37	2.52
Barite (BaSO <sub>4</sub> )	
0.27	0.78
Halite (NaCl)	
-2.26	-2.21
Gypsum	
-3.36	-3.31
Hemihydrate	
-3.94	-4.06
Anhydrite	
-3.35	-3.54
Celestite	
-3.70	-3.65
Iron Sulfide	
0.00	0.00
Zinc Sulfide	
0.00	0.00
Calcium fluoride	
0.00	0.00
Iron Carbonate	
5.69	5.66
Inhibitor needed (mg/L)	
Calcite	NTMP
17.10	7.87
Barite	BHPMP
0.00	0.00



Lab Manager: Andrea Craig

Analysis by:



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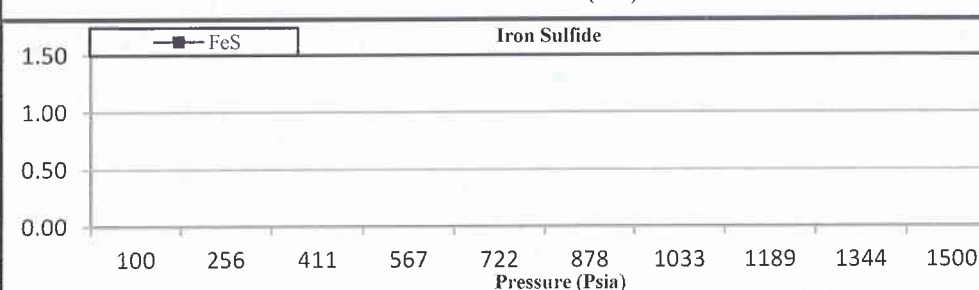
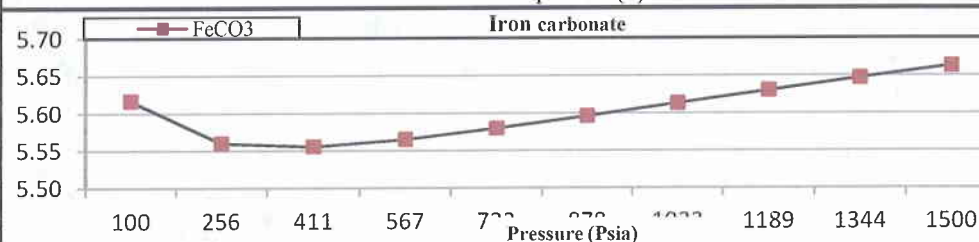
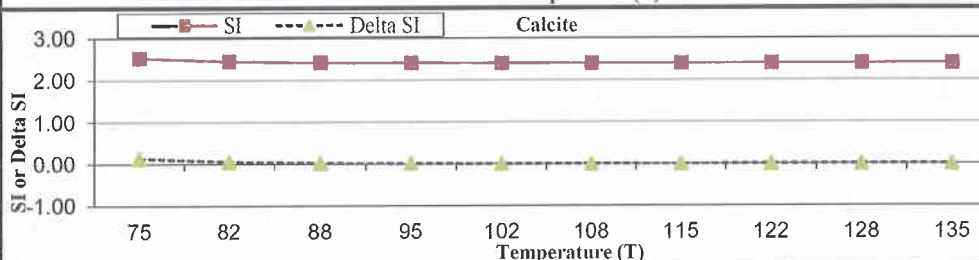
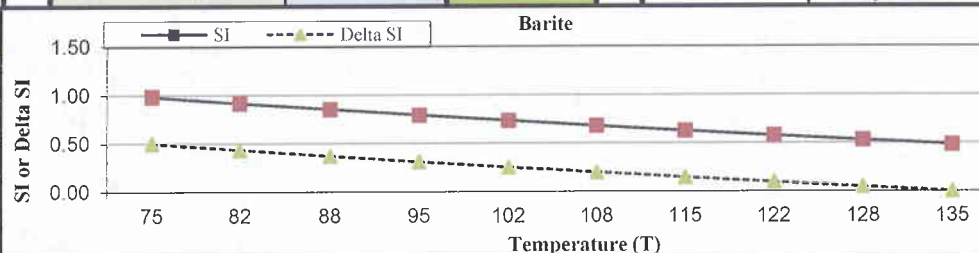
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# Water Analysis Report

Field :	Randelette	Sample Date :	3/25/2012
County :	Uintah, UT	Formation :	
Location :	4-31	Rock Type :	
Lab ID :		Depth :	Analysed Date: 5/18/2012
Run 8/1st Sample/12:45 PM 38 bbls Resistivity = .280 (Milli Equiv./ Liter Cations=+1.519, Anions=-1.659)			

CATIONS	mg/l	Measured	Calculated	ANIONS	mg/l
Potassium	231.6	Total Dissolve Solid	85956.02	Sulfate	200.0
Sodium	34,647.1	Total Hardness	94.16	Chloride	15,000.0
Calcium	23.1	PH	8.80	Carbonate	0.0
Magnesium	8.9	Total H2S aq	0.00	Bicarbonate	75,152.0
Iron	80.4	Manganese	0.47	Bromide	0.0
Barium	40.2	PO4 Residual	0.00	Organic Acids	0.0
Strontium	1.1	SRB Vials Turned	0.00	Hydroxide	0.0
<b>SUM +</b>	<b>35,032.3</b>	APB Vials Turned	0.00	<b>SUM -</b>	<b>90,352.0</b>

Initial(BH)	Final(WH)
Saturation Index values	
Calcite (CaCO <sub>3</sub> )	
2.41	2.54
Barite (BaSO <sub>4</sub> )	
0.48	0.98
Halite (NaCl)	
-2.26	-2.20
Gypsum	
-3.33	-3.28
Hemihydrate	
-3.91	-4.03
Anhydrite	
-3.31	-3.51
Celestite	
-3.62	-3.58
Iron Sulfide	
0.00	0.00
Zinc Sulfide	
0.00	0.00
Calcium fluoride	
0.00	0.00
Iron Carbonate	
5.66	5.62
Inhibitor needed (mg/L)	
Calcite	NTMP
18.26	8.01
Barite	BHPMP
0.00	0.00



Lab Manager: Andrea Craig  
Analysis by:



MAY 22 2012

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# Water Analysis Report

Field : **Randelette** Sample Date : **3/25/2012**  
 County : **Uintah, UT** Formation :  
 Location : **4-31** Rock Type :  
 Lab ID : Depth : **Analysed Date: 5/18/2012**

Run 11/4th Sample/3:45 PM 47 bbls Resistivity = .281 (Milli Equiv./ Liter Cations=+1.490, Anions=-1.526)

CATIONS	mg/l		Measured	Calculated		ANIONS	mg/l
Potassium	224.5	Total Dissolve Solid	82208.80	104325.02		Sulfate	1,170.0
Sodium	34,063.6	Total Hardness		44.92		Chloride	14,900.0
Calcium	10.6	PH	8.78	8.78		Carbonate	0.0
Magnesium	4.5	Total H2S aq	0.00	0.00		Bicarbonate	66,002.0
Iron	45.4	Manganese	0.30			Bromide	0.0
Barium	13.4	PO4 Residual	0.00			Organic Acids	0.0
Strontium	0.8	SRB Vials Turned	0.00			Hydroxide	0.0
SUM +	34,362.8	APB Vials Turned	0.00			SUM -	82,072.0

Initial(BH) Final(WH)

## Saturation Index values

Calcite (CaCO<sub>3</sub>)

1.93 2.10

Barite (BaSO<sub>4</sub>)

0.86 1.35

Halite (NaCl)

-2.26 -2.21

Gypsum

-2.85 -2.81

Hemihydrate

-3.43 -3.56

Anhydrite

-2.84 -3.04

Celestite

-2.93 -2.90

Iron Sulfide

0.00 0.00

Zinc Sulfide

0.00 0.00

Calcium fluoride

0.00 0.00

Iron Carbonate

5.30 5.30

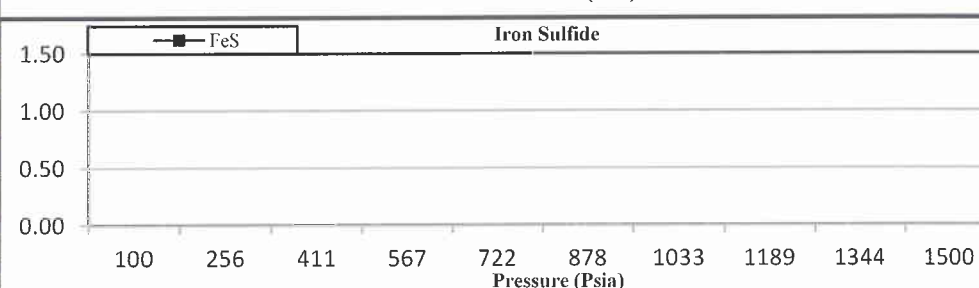
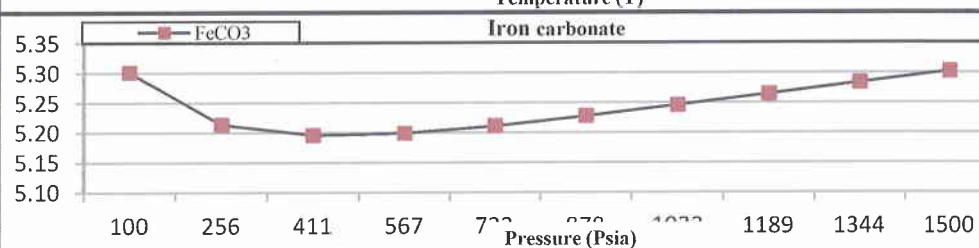
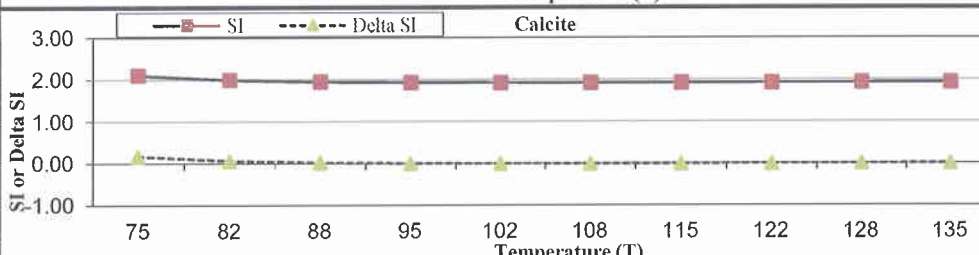
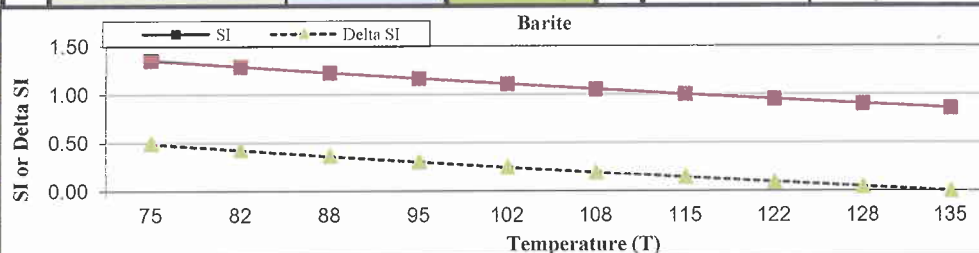
Inhibitor needed (mg/L)

Calcite NTMP

3.12 1.49

Barite BHPMP

0.05 0.06



Lab Manager: Andrea Craig

Analysis by:



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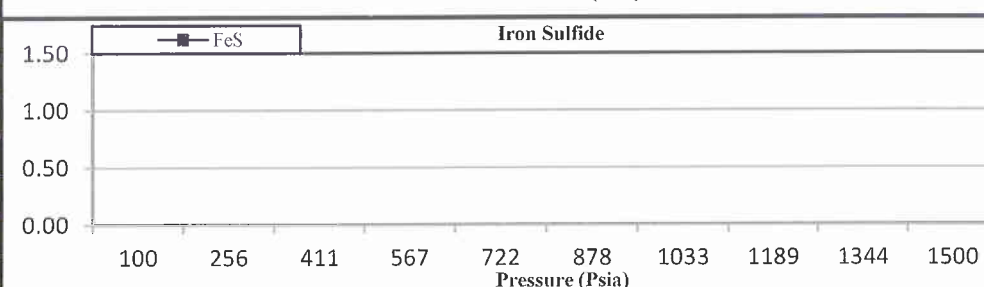
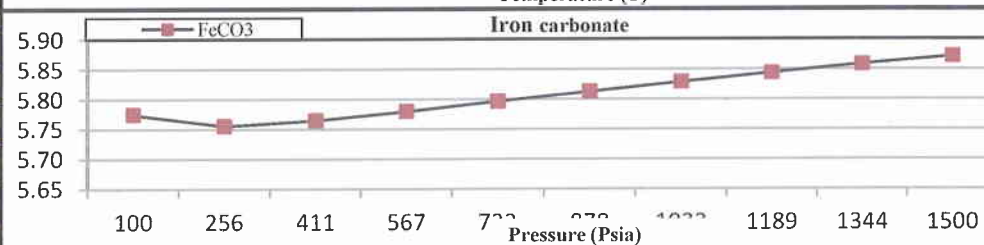
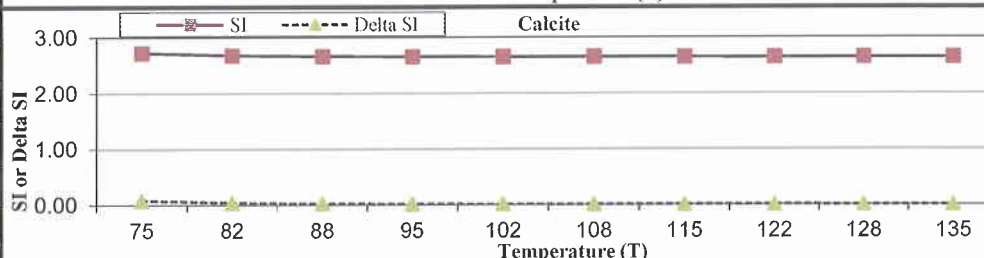
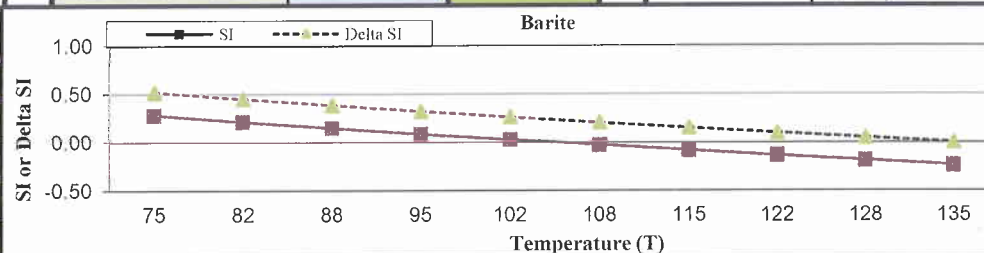
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# Water Analysis Report

Field :	Randelette	Sample Date :	3/25/2012
County :	Uintah, UT	Formation :	
Location :	4-31	Rock Type :	
Lab ID :		Depth :	
Run 9/2nd Sample/1:35 PM 43 bbls Resistivity = .210 (Milli Equiv./ Liter Cations=+1.462, Anions=-2.316)			
Analysed Date: 5/18/2012			

CATIONS	mg/l	Measured	Calculated	ANIONS	mg/l
Potassium	254.2	Total Dissolve Solid	102020.40	Sulfate	70.0
Sodium	33,329.1	Total Hardness	83.29	Chloride	20,000.0
Calcium	20.8	PH	8.77	Carbonate	0.0
Magnesium	7.7	Total H2S aq	0.00	Bicarbonate	106,811.0
Iron	82.2	Manganese	0.75	Bromide	0.0
Barium	36.1	PO4 Residual	0.00	Organic Acids	0.0
Strontium	1.1	SRB Vials Turned	0.00	Hydroxide	0.0
<b>SUM +</b>	<b>33,731.1</b>	APB Vials Turned	0.00	<b>SUM -</b>	<b>126,881.0</b>

Initial(BH)	Final(WH)
Saturation Index values	
Calcite (CaCO <sub>3</sub> )	
2.64	2.72
Barite (BaSO <sub>4</sub> )	
-0.24	0.28
Halite (NaCl)	
-2.16	-2.11
Gypsum	
-3.91	-3.83
Hemihydrate	
-4.48	-4.58
Anhydrite	
-3.88	-4.06
Celestite	
-4.26	-4.20
Iron Sulfide	
0.00	0.00
Zinc Sulfide	
0.00	0.00
Calcium fluoride	
0.00	0.00
Iron Carbonate	
5.87	5.77
Inhibitor needed (mg/L)	
Calcite	NTMP
43.53	16.57
Barite	BHPMP
0.00	0.00



Lab Manager: Andrea Craig  
Analysis by:



4770 S. 5600 W.  
P.O. BOX 704005  
WEST VALLEY CITY, UTAH 84170  
FED.TAX I.D.# 87-0217663

The Salt Lake Tribune

MEDIAOne

Deseret News

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	5/21/2012

ACCOUNT NAME			
DIV OF OIL-GAS & MINING,			
TELEPHONE	ADORDER# / INVOICE NUMBER		
8015385340	0000793472 /		
SCHEDULE			
Start 05/20/2012		End 05/20/2012	
CUST. REF. NO.			
ULT 4-31			
CAPTION			
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES			
SIZE			
46	Lines	2.00	COLUMN
TIMES		RATE	
4			
MISC. CHARGES		AD CHARGES	
		TOTAL COST	
		159.56	

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-393.1

IN THE MATTER OF THE APPLICATION OF UTE ENERGY UPSTREAM HOLDINGS, LLC FOR ADMINISTRATIVE APPROVAL OF THE ULY 4-31 WELL, LOCATED IN SECTION 31, TOWNSHIP 3S, RANGE 2E, UTAH COUNTY, UTAH, AS A CLASS II INJECTION WELL.

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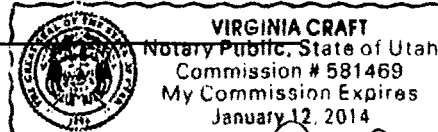
Dated this 17th day of May, 2012  
STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/Brad Hill  
Permitting Manager  
793472

UPAXLP

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-393.1 IN THE MATTER OF THE APPLI** FOR **DIV OF OIL-GAS & MINING**, WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINATELY.

PUBLISHED ON Start 05/20/2012 End 05/20/2012

SIGNATURE Angelina M. King 

5/21/2012

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"  
PLEASE PAY FROM BILLING STATEMENT



Send Payments to:  
 Uintah Basin Standard  
 268 S 200 E  
 Roosevelt, Utah 84066  
 Phone: 435-722-5131  
 Fax: 435-722-4140



Invoice Number	Invoice Date
30872	5/22/2012
Advertiser No.	Invoice Amount
2080	\$97.05
	Due Date
	6/21/2012

DIVISION OF OIL GAS & MINING  
 Rose Norton  
 1594 W. N.TEMPLE STE 121  
 PO BOX 145801  
 SALT LAKE CITY, UT 84114-5801

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 MAY 25 2012  
 DIV. OF OIL GAS & MINING

1 1/2% fee will be charged to all  
 past due balances.

**Amount Enclosed**

Please detach top portion and return with your payment

**INVOICE**

Uintah Basin Standard		DIVISION OF OIL GAS & MINING			Invoice No. 30872		5/22/2012	
Date	Order	Description			Ad Size	SubTotal	Sales Tax	Amount
5/22/2012	15460	UBS	UBS Legal Notice: Notice of Agency Action, Cause No. UIC-393.1 Pub. May 22, 2012					\$97.05
							Sub Total:	\$97.05
Total Transactions: 1						Total:	\$97.05	

**SUMMARY**      Advertiser No.      2080      Invoice No.      30872

1 1/2% fee will be charged to all past due balances.

Thank You for your business!

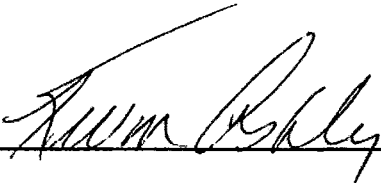
Thank you for advertising with us, we appreciate your business!



# AFFIDAVIT OF PUBLICATION

County of Duchesne,  
STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 22 day of May, 20 12, and that the last publication of such notice was in the issue of such newspaper dated the 22 day of May, 20 12, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.



Publisher

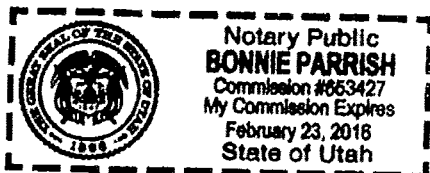
Subscribed and sworn to before me on this

23 day of May, 20 12

by Kevin Ashby.



Notary Public



## NOTICE OF AGENCY ACTION CAUSE NO. UIC-393.1

BEFORE THE DI-  
VISION OF OIL, GAS  
AND MINING, DE-  
PARTMENT OF NAT-  
URAL RESOURCES,  
STATE OF UTAH

rule. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 17th day of May, 2012

STATE OF UTAH,  
DIVISION OF OIL,  
GAS & MINING

/s/ Brad Hill

Permitting Manager

Published in the  
Uintah Basin Standard  
May 22, 2012.

Union's Trace Her  
fifth at 16.79. Herric  
third in the boys h  
at 6.0. Cale Strong,  
won the boys 110 h  
15.09.  
Morley was also  
the boys 300 mete  
at 39.41. Herrick wa  
at 45.35. Strong we  
39.19. Harley Hake  
placed sixth at 45.1  
Uintah (Dani He  
ity Beddes, Ceely De  
ley Murray) won t  
girls relay at 4:14.  
City was second at  
Uintah (Parker )  
Jade Christopherse  
Strong, Matt Cush  
second in the boy  
relay at 3:37.71 at  
was sixth at 3:49.  
City was first at 3:3  
Also placing at ti  
meet were: Javelin  
Simkins, Union, fi  
4.50; Allen Hamblin  
sixth, 133-04; Cole  
Union, eighth; gir  
- Venice Winter  
sixth, 85-05.50; Ce  
shield, Union, 78-04  
100 hurdles - Harle  
Uintah, fourth, 16  
100 - Betty Orr,  
fourth, 13.47; boys  
dash - Stoneola )  
sixth, 12.00; Levi



BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-393.1

IN THE MATTER OF THE APPLICATION OF UTE ENERGY UPSTREAM HOLDINGS, LLC FOR ADMINISTRATIVE APPROVAL OF THE ULT 4-31 WELL, LOCATED IN SECTION 31, TOWNSHIP 3S, RANGE 2E, UINTAH COUNTY, UTAH, AS A CLASS II INJECTION WELL

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Dated this 17<sup>th</sup> day of May, 2012

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING



Brad Hill  
Permitting Manager



**Ute Energy Upstream Holdings, LLC**

**ULT 4-31  
Cause No. UIC-393.1**

Publication Notices were sent to the following:

Joseph N. Jagers, IV, Engineer  
Ute Energy Upstream Holdings, LLC  
1875 Lawrence Street, Suite 200  
Denver, CO 80202

Uintah Basin Standard  
268 S 200 E  
Roosevelt, UT 84066  
via e-mail [legals@ubstandard.com](mailto:legals@ubstandard.com)

Salt Lake Tribune  
PO Box 45838  
Salt Lake City, UT 84145  
via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Uintah County Planning Commission  
152 East 100 North  
Vernal, UT 84078

Bruce Suchomel  
US EPA Region VIII  
MS 8-P-W-GW  
1595 Wynkoop Street  
Denver, CO 80202-1129

Ute Tribe  
PO Box 190  
Ft. Duchesne, UT 84026

  
\_\_\_\_\_  
Jean Sweet



**From:** "Fultz, Mark" <naclegal@mediaoneutah.com>  
**To:** <jsweet@utah.gov>  
**Date:** 5/17/2012 11:34 AM  
**Subject:** Proof for Notice of Agency Action ULT 4-31  
**Attachments:** OrderConf.pdf

AD# 793472  
Run SL Trib & Des News 5/20/12  
Cost \$159.56  
Please advise of any changes  
Thank You  
Ken



## Order Confirmation for Ad #0000793472-01

<b>Client</b>	DIV OF OIL-GAS & MINING	<b>Payor Customer</b>	DIV OF OIL-GAS & MINING
<b>Client Phone</b>	801-538-5340	<b>Payor Phone</b>	801-538-5340
<b>Account#</b>	[REDACTED]	<b>Payor Account</b>	[REDACTED]
<b>Address</b>	1594 W NORTH TEMP #1210, P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	<b>Payor Address</b>	1594 W NORTH TEMP #1210, P.O. BOX 145801 SALT LAKE CITY, UT 84114
<b>Fax</b>	801-359-3940	<b>Ordered By</b>	<b>Acct. Exec</b>
<b>Email</b>	earlenerussell@utah.gov	Jean	kstowe

<b>Total Amount</b>	<b>\$159.56</b>			
<b>Payment Amt</b>	<b>\$0.00</b>			
<b>Amount Due</b>	<b>\$159.56</b>	<b>Tear Sheets</b>	<b>Proofs</b>	<b>Affidavits</b>
		0	0	1
<b>Payment Method</b>		<b>PO Number</b>	ULT 4-31	
<b>Confirmation Notes:</b>				
<b>Text:</b>	Jean			
<b>Ad Type</b>	<b>Ad Size</b>	<b>Color</b>		
Legal Liner	2.0 X 46 Li	<NONE>		

<b>Product</b>	<b>Placement</b>	<b>Position</b>
Salt Lake Tribune::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
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<b>Product</b>	<b>Placement</b>	<b>Position</b>
Deseret News::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	05/20/2012	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
sltrib.com::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
<b>Scheduled Date(s):</b>	05/20/2012	
<b>Product</b>	<b>Placement</b>	<b>Position</b>
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<b>Scheduled Date(s):</b>	05/20/2012	

### Ad Content Proof Actual Size

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-993.1

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Dated this 17th day of May, 2012

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

/s/Brad Hill  
Permitting Manager

793472

UPAXLP





GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

May 17, 2012

Via e-mail [naclegals@mediaoneutah.com](mailto:naclegals@mediaoneutah.com)

The Salt Lake Tribune  
PO Box 45838  
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Cause No. UIC-393.1

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining  
Suite 1210  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure





**Jean Sweet - Re: Notice of Agency Action – Cause No. UIC-393.1**

---

**From:** Cindy Kleinfelter <classifieds@ubstandard.com>  
**To:** Jean Sweet <jsweet@utah.gov>  
**Date:** 5/18/2012 10:25 AM  
**Subject:** Re: Notice of Agency Action – Cause No. UIC-393.1

---

On 5/17/2012 10:05 AM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet, Executive Secretary  
Utah Div. of Oil, Gas & Mining  
1594 West Temple, Suite 1210  
Salt Lake City, UT  
801-538-5329  
[jsweet@utah.gov](mailto:jsweet@utah.gov)

It will be published May 22, 2012. Thank you.  
Cindy





GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

May 17, 2012

Via e-mail [legals@ubstandard.com](mailto:legals@ubstandard.com)

Uintah Basin Standard  
268 S 200 E  
Roosevelt UT 84066

Subject: Notice of Agency Action – Cause No. UIC-393.1

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Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
Suite 1210  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure



RECEIVED  
APR 20 2012  
DIV. OF OIL, GAS & MINING

## UNDERGROUND INJECTION CONTROL

### PERMIT APPLICATION



ULT 4-31  
663' FNL & 664' FWL  
NWNW SEC. 31, T3S, R2E,  
Uintah County, Utah  
API # 43-047-40017  
BLM Lease # Fee

Prepared for:

Mr. Brad Hill  
Oil and Gas Permitting Manager  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801

Prepared by:



300 E. Mineral Ave., Suite 7  
Littleton, Colorado 80122  
(303) 781-8211  
FAX (303) 781-1167

APRIL 2012



**ULT 4-31  
LIST OF ATTACHMENTS**

Attachment A1	Area Map
Attachment A2	Area of Review
Attachment A3	Landownership and Affidavit Notification
Attachment A4	Existing Roads Map
Attachment A5	Existing Wells
Attachment B1	ULT 4-31 Well Records/Cement Bond Log/Schematic
Attachment B2	Deep Creek 16-25-3-1E Cement Bond Log
Attachment B3	Deep Creek 2-31 Cement Bond Log/Schematic
Attachment B4	Knight 14-30 Cement Bond Log/Schematic
Attachment B5	Randlett 1 Well Abandonment Record
Attachment B6	Eliason 12-30 Cement Bond Log/Schematic
Attachment B7	ULT 7-36-3-1E Cement Bond Log
Attachment B8	ULT 12-31-3-2E Cement Bond Log
Attachment C1	Closest Water Well
Attachment C2	Water Analysis – General Water Quality
Attachment D1	Structure Map – Base of Upper Confining Layer
Attachment D2	Structure Map – Top of Lower Confining Layer
Attachment D3	Isopach Map of Injection Interval
Attachment D4	Cross-Section of the Confining Layers and Injection Zone
Attachment E1	List of Wells Utilizing the Injection Well
Attachment F1	UIC Monitoring Forms
Attachment G1	Proposed Injection Well Conversion Plan and Injection Well Schematic
Attachment H1	Plugging & Abandonment (P&A) Procedure



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

UIC FORM 1

**APPLICATION FOR INJECTION WELL**

Name of Operator Ute Energy Upstream Holdings LLC	Utah Account Number N 3730	Well Name and Number ULT 4-31
Address of Operator 1875 Lawrence St, Sui CITY Denver STATE CO ZIP 80202	Phone Number (720) 420-3235	API Number 4304740017
Location of Well Footage : 663 FNL 664 FWL County : Uintah QQ, Section, Township, Range: NWNW 31 T3S R2E State : UTAH		Field or Unit Name Randlett Field Lease Designation and Number Fee

Is this application for expansion of an existing project? Yes ☐ No ☒

Will the proposed well be used for:	Enhanced Recovery?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	Disposal?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Storage?	Yes <input type="checkbox"/>	No <input type="checkbox"/>

Is this application for a new well to be drilled? Yes ☐ No ☒

If this application is for an existing well, has a casing test been performed? Yes ☐ No ☒  
Date of test: \_\_\_\_\_

Proposed injection interval: from 4,242 to 4,949

Proposed maximum injection: rate 8,000 bpd pressure \_\_\_\_\_ psig

Proposed injection zone contains oil ☒, gas ☐, and / or fresh water ☐ within 1/2 mile of the well.

List of attachments: \_\_\_\_\_

**ATTACH ADDITIONAL INFORMATION AS REQUIRED BY CURRENT  
UTAH OIL AND GAS CONSERVATION GENERAL RULES**

I hereby certify that this report is true and complete to the best of my knowledge.

Name (Please Print) Joseph N. Jagers, IV

Title Engineer

Signature 

Date 4/12/2012



## **EXECUTIVE SUMMARY**

### **ULT 4-31**

The proposed ULT 4-31 Salt Water Disposal (SWD) well will be located in the NW/4 NW/4 (663' FNL, 664' FWL) of Section 31, Township 3 South, Range 2 East, which is in Uintah County, Utah. The proposed well will be an Underground Injection Control (UIC) Class II SWD well used exclusively for the purpose of subsurface disposal of water from Ute Energy Upstream Holdings LLC (Ute) operations in the area of the Randlett Field. The converted SWD well and its facilities will be located on an existing Ute well pad. No new surface disturbance or roads will be required for the ULT 4-31 SWD well.

There are a total of seven wells located within the ½ mile radius Area Of Review (AOR) for the proposed ULT 4-31. In addition, there is one well located just outside the ½ mile AOR. The cement bond logs for ULT 4-31 and other producing AOR wells show 80% or better bond across the disposal interval and the upper and lower confining layers. Two wells within the AOR have been plugged and abandoned.

The injection interval for the proposed ULT 4-31 SWD well is the Birds Nest zone of the Green River Formation from 4,242' to 4,949'. Regional geologic and hydrologic studies show the Birds Nest zone in the Green River Formation is designated as moderately saline groundwater. Samples collected from the interval of proposed injection in ULT 4-31 contain total dissolved solid (TDS) concentrations greater than 10,000 milligrams per liter (mg/l). The average for four samples collected from the proposed injection interval is 89,400 mg/l. It is anticipated that the Birds Nest Formation has sufficient storage capacity in the ULT 4-31 area to accept all anticipated SWD volumes.

The well will be used to inject approved Class II wastes brought to the surface including but not limited to drilling fluids, spent well completion fluids and treatment and stimulation fluids. The well will not be utilized for commercial brine or other fluid disposal operations. Injected fluids will be limited to fluids produced in connection with oil and gas production from wells that Ute Energy has a working interest.



## **INSTRUCTIONS**

This form shall be submitted by the well operator prior to the commencement of operations for injecting any fluid into a well for the purpose of enhanced recovery, disposal, or storage within the state of Utah, in accordance to the Utah Oil and Gas Conservation General Rules. Approvals or orders authorizing injection wells shall be valid for the life of the well, unless revoked by the board for just cause, after notice and hearing.

Send to:

Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940



**SUMMARY DOCUMENT  
UIC WELL APPLICATION  
ULT 4-31 SWD  
API # 43-047-40017  
Lease # FEE**

The following document contains information provided in support of the application for the conversion of the ULT 4-31 Well to a Class II injection well.

This well was spudded on July 26, 2008 and was completed in the Green River formation. Water samples from the proposed injection interval (4,242 – 4,949 feet) indicated an average TDS concentration of 89,400 mg/l. The well is being proposed for conversion to inject produced water from wells that Ute has working interest and/or net revenue interest in, located in the Randlett Field.

The ULT 4-31 well falls within lands not designated as “Indian County”, thus is administered by the Utah Department of Natural Resources, Division of Oil, Gas and Mining (UDOGM).

Ute’s business address is provided below:

Ute Energy Upstream Holdings LLC  
1875 Lawrence, Suite 200  
Denver, CO 80202  
720.420.3200

**A. Area of Review** 430474001731

Attachment A1 is a map showing the area around the ULT 4-31 well. The legal location for the ULT 4-31 well is 663’ FNL & 664’ FWL NENW, Section 31, T3S, R2E, Uintah County, Utah.

Attachment A2 is a site map showing the Area of Review (AOR). This map includes a ½-mile radius centered on the ULT 4-31 well which encompasses the AOR. Ute is required to investigate all wells for mechanical integrity within the AOR. Refer to Table A-1 for details of completion data for wells within the AOR.



**Table A-1 AOR Well Completion Data**

Well	Well Type	Distance from SWD	Cond Casing			Surface Casing			Production Casing		
			Size	Depth	Cement Top	Size	Depth	Cement Top	Size	Depth	Est. Cement Top
Deep Creek 16-25-3-1E	Oil	1980'				8.625	0-817'	Surface	5.5	0-8172'	Surface
Deep Creek 2-31	Oil	2420'	20	0-58'	Surface	9.625	0-772'	Surface	5.5	0-7012'	Surface
Knight 14-30	Oil	1833'	14	0-40'	Surface	9.625	0-750'	Surface	5.5	0-7000'	Surface
Randlett 1 (P&A)	NA	1687'	16	0-30'	Surface	9.625	0-523'	Surface	5.5	0-9000'	Surface
<b>ULT 4-31</b>	<b>NA</b>	<b>0'</b>	<b>20</b>	<b>0-53'</b>	<b>Surface</b>	<b>9.625</b>	<b>0-763'</b>	<b>Surface</b>	<b>5.5</b>	<b>0-7200'</b>	<b>Surface</b>
ULT 6-31-3-2E	Oil	1687'				8.625	0-802'	Surface	5.5	0-8015'	Surface
ULT 12-31-3-2E	Oil	2640'			Surface	8.625	0-798'	Surface	5.5	0-7978'	
Eliason 12-30	Oil	2567'	20	0-58'	Surface	9.625	0-796'	Surface	5.5	0-7063'	3550' (CBL)
ULT 7-36-3-1E (P&A)	NA	3153'			Surface	8.625	0-908'	Surface	5.5	0-9084'	

The ½-mile radius also identifies those lands, the owners thereof, which must be provided notice of this application. Attachment A3 contains a figure showing the known interest owners and the names and addresses of owners on record located within the ½-mile AOR for ULT 4-31 SWD. Also included in Attachment A3 is the Affidavit Notification.

Below is a listing of the names and addresses of all owners of record of land within one-half mile of the proposed ULT 4-31 SWD well.

1. P. Robert Knight  
2592 East Stanford Lane  
Holladay, UT 84117  
(801) 680-1001
2. Utah Land Trust  
Mr. Gilbert Maggs, Trustee  
230 Park Avenue  
Satellite Beach, FL 32937  
(321) 917-4999
3. Deep Creek Investment  
C/O Lee M. Smith, General Partner  
2400 Sunnyside Ave  
Salt Lake City, UT 84108  
(801) 322-1235

No new surface disturbance or roads will be required for the ULT 4-31SWD well. Attachment A4 is a topographic map showing the location of existing roads in the area.

Attachment A5 is a map showing the location of the existing wells in the surrounding area of the proposed ULT 4-31 SWD. The converted SWD well and its facilities will be located on an existing well pad operated by Ute.



## **B. Corrective Action and Well Data**

Ute proposes to utilize the ULT 4-31 SWD as an injection well for disposal of produced water from wells that Ute has working interest or operated wells located in the Randlett Field.

Details on the conversion plans for the proposed well are included in Section G, Construction Details.

**ULT 4-31 SWD:** Attachment B1 contains the following materials for the ULT 4-31 SWD well:

- Copies of all regulatory filings regarding activities related to the physical state of the well including:
  - Well completion or Recompletion Report
  - Cement Bond Log (CBL) from 3850-5390'
  - Well Chronology Report
- A schematic of the current well borehole

We do not believe that any corrective action is needed on the ULT 4-31 SWD well. Based on the CBL log, there is approximately 80% bond at numerous locations from 5,300' to 5,050' extending to the base of the lower injection zone (4,950'). The CBL also demonstrates 80% bond across the upper confining layer (4,242'to 3,895').

**Deep Creek 16-25-3-1E:** This is an active producing oil well. Copies of all regulatory filings regarding activities related to the physical state of the well can be accessed at the UDOGM's online information system website. Attachment B2 contains the following materials for the Deep Creek 16-25-3-1E well:

- CBL (3,800'-5,300')

We do not believe that any corrective action is needed on the Deep Creek 16-25-3-1E well. Based on the CBL log, there is approximately 80% bond at numerous locations from 5,300' to 4,600' extending beyond the base of the lower injection zone (4,950') and across the upper confining layer (4,242'to 3,895').

**Deep Creek 2-31:** This is an active producing oil well. Copies of all regulatory filings regarding activities related to the physical state of the well can be accessed at the UDOGM's online information system website. Attachment B3 contains the following materials for the Deep Creek 2-31 well:

- CBL (3,750'-5,240')
- A schematic of the current well borehole

We do not believe that any corrective action is needed on the Deep Creek 2-31 well. Based on the CBL log, there is approximately 80% bond at numerous locations from 5,300' to 4,600' extending beyond the base of the lower injection zone (4,950') and across the upper confining layer (4,242'to 3,895').



**Knight 14-30:** This is an active producing oil well. Copies of all regulatory filings regarding activities related to the physical state of the well can be accessed at the UDOGM's online information system website. Attachment B4 contains the following materials for the Knight 14-30 well:

- CBL (3,870'-5,010')
- A schematic of the current well borehole

We do not believe that any corrective action is needed on the Knight 14-30 well. Based on the CBL log, there is approximately 80% bond at numerous locations from 5,500' to 5,040' extending to just below the base of the lower injection zone (4,950'). In addition, the CBL also shows that the majority of the section from 4,280' to 4,020' contains 80% bond.

**Randlett 1:** This is a plugged and abandoned well. Abandonment was completed 4/23/72. The well last produced 3/17/72. Final restoration and bond release occurred in 10/19/73. Copies of all regulatory filings regarding activities related to the physical state of the well can be accessed at the UDOGM's online information system website. Attachment B5 contains the following materials for the Randlett 1 well:

- Abandonment record

We do not believe that any corrective action is needed on the Randlett 1 well.

**ULT 6-31-3-2E:** This is a proposed oil well. Currently, the location has been spudded; however drilling has not yet commenced.

**Eliason 12-30:** This is an active producing oil well. Copies of all regulatory filings regarding activities related to the physical state of the well can be accessed at the UDOGM's online information system website. Attachment B6 contains the following materials for the Eliason 12-30 well:

- CBL (3,850'-5,240')
- A schematic of the current well borehole

We do not believe that any corrective action is needed on the Eliason 12-30 well. Based on the CBL log, there is approximately 80% bond at numerous locations from 5,000' to 3,750' spanning the lower confining zone and stopping above the base of the upper confining zone.

**ULT 7-36-3-1E:** This is a plugged and abandoned well. The well was drilled to 3,600' before it was plugged and abandoned. Copies of all regulatory filings regarding activities related to the physical state of the well can be accessed at the UDOGM's online information system website. Attachment B7 contains the following materials for the ULT 7-36-3-1E well:

- CBL (0-3,450')
- Abandonment Records



We do not believe that any corrective action is needed on the ULT 7-36-3-1E well. The well was only drilled to a total depth of 3,600 feet which is approximately 300 feet above the top of the upper confining layer.

**ULT 12-31-3-2E:** This is an active producing oil well. Copies of all regulatory filings regarding activities related to the physical state of the well can be accessed at the UDOGM's online information system website. Attachment B8 contains the following materials for the ULT 12-31-3-2E well:

- CBL (3,680-5,180')

Based on the radial acoustic CBL, there is good bond across the lower and upper confining zones and within the injection zone. We do not believe that any corrective action is needed on the ULT 12-31-3-2E well.

### **C. Name and Depths of USDWs**

State of Utah Department of Natural Resources Technical Publication No. 92, "**Base of Moderately Saline Ground Water in the Uinta Basin, Utah**", shows the elevation of the "base of moderately saline water" (3,000 to 10,000 mg/l TDS) to be at an elevation of approximately 1,400' above sea level at the location of the ULT 4-31 SWD well. The surveyed ground elevation at this location is 5,401' above sea level, so based on Technical Publication No. 92, the base of moderately saline water occurs at a depth of approximately 4,001' at the ULT 4-31 SWD location.

A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the ULT 4-31 well location. Attachment C1 shows the closest water well to ULT 4-31 at approximately 3.0 miles.

Water samples collected from within the proposed inject zone of the ULT 4-31 well were shipped to NALCO laboratory in Vernal, Utah for analysis. Laboratory analysis of five samples was conducted for general water quality parameters. In addition, representative samples from three wells that will utilize the SWD well were collected and analyzed for general water quality parameters. Attachment C2 contains water analysis reports for produced water from the ULT 4-31 SWD well within the proposed injection interval and three representative samples of injected fluid. The average concentration of total dissolved solids (TDS) from the proposed injection interval is 89,400.31 milligrams per liter (mg/l). The details and results for the four samples collected from the proposed injection interval are summarized in the Table C-1



**Table C-1 Summary of TDS Concentrations - ULT 4-31**

Well Name	Sample Date	Run	Sample Number	Sample Interval (feet)	TDS (mg/l)
ULT 4-31	3/25/2012	8	1	4,242 - 4,949	85,956.02
ULT 4-31	3/25/2012	9	2	4,242 - 4,949	102,020.04
ULT 4-31	3/25/2012	10	3	4,242 - 4,949	87,416.37
ULT 4-31	3/25/2012	11	4	4,242 - 4,949	82,208.80
<b>Average Concentration</b>					<b>89,400.31</b>

Water samples were collected from three nearby wells to represent the general chemistry of the fluids to be injected into ULT 4-31. Attachment C2 contains water analysis reports for flowback water collected from the ULT 12-31-3-2E, Deep Creek 8-31-3-2E and Deep Creek 2-31-3-2E wells. The average concentration of TDS of these three wells is 22,372.13 mg/l. The details and results for the three TDS samples are summarized in the following table. Table C-3, included in Appendix C2, tabulates all the water chemistry data.

**Table C-2 Summary of TDS Concentrations – Representative Injection Fluid**

Well Name	Sample Date	Sample Type	Sample Interval (feet)	TDS (mg/l)
Deep Creek 8-31-3-2E	3/29/2012	Flowback	6,108 - 6801	26,464.51
Deep Creek 2-31-3-2E	3/29/2012	Flowback	6,174 - 6901	25,999.26
ULT 12-31-3-2E	3/29/2012	Flowback	6,766 - 7680	15,090.33
<b>Average Concentration</b>				<b>22,372.13</b>

#### **D. Geology of Injection and Confining Zones**

##### **Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Uinta/Green River	Surface to 3,895'
Base USDW	3,801'
Base of Upper Confining Layer	4,242'
Top of Lower Confining Layer	4,949'
Base of Lower Confining Layer	5,090'
Tgr 3 Marker	5,800'
Douglas Creek	6,313'
TD	6,900'



## General Geology

Uinta Formation: Surface to estimated 3,895' in the Randlett area.

The Uinta Formation (Eocene) consists of alternating beds of light-gray calcareous mudstones and light brown to brown siltstones and sandstones. The Uinta Formation was deposited in fluvial and flood plain environments. The siltstone and sandstone beds were deposited in fluvial channels and are more abundant in the lower portion of the formation. The intervening calcareous mudstones were deposited in flood plain environments. The lower portion of the Uinta Formation is transitional into lacustrine deposits in the central portion of the Uinta Basin.

Green River Formation: Estimated 3,895' to 7,900' in the Randlett area.

The Green River Formation (Eocene) is a complex mixture of clastics, carbonates and organic rich claystones deposited in an alluvial to lacustrine depositional system. The Green River interfingers with both the overlying Uinta and underlying Wasatch Formations. The Green River Formation is subdivided into four members which in ascending order are: Douglas Creek Member, Garden Gulch Member, Parachute Creek Member and Evacuation Creek Member.

The Douglas Creek Member consists of light gray alternating beds of calcareous sandstone and dark gray to brown brittle shale with minor amounts of oil shale, dolomite and limestone.

The Garden Gulch Member directly overlies the Douglas Creek Member and consists primarily of dark colored shales and very fine grained sandstones. Shale intervals are thicker than those of the Douglas Creek Member and organic rich.

The Parachute Creek Member directly overlies the Garden Gulch Member and consists of a thick succession of dark brown, dark gray, light green and red shales with occasional fine grained sandstones. The Parachute Creek Member contains the most organic rich oil shales, including the Mahogany Oil Shale Zone.

The Evacuation Creek Member directly overlies the Parachute Creek Member and is overlain by the Uinta Formation. The Evacuation Creek Member is composed primarily of light gray-green shale, tan marl and interbedded thin brown sandstones.

### Upper Confining Zone:

The upper confining zone is a regionally continuous interval that contains low porosity siltstones interbedded with low permeability shales, and claystones. The gross thickness of the upper confining interval varies from 331 feet to 351 feet. The average thickness of the upper confining zone in the area of the proposed ULT 4-31 SWD is 347 feet. A structure map (Attachment D1) for the bottom of the upper confining layer of the Green River formation shows dip of approximately 200' per mile to the North.



### Lower Confining Zone:

The lower confining zone is composed of interbedded low porosity and permeability calcareous shales and siltstones. The gross thickness of the lower confining zone varies from 115 feet to 155 feet. The average thickness of the lower confining zone in the area of the proposed ULT 4-31 SWD is 136 feet. Attachment D2 is a structure map for the top of the lower confining layer. The figure shows a formation dip of approximately 250' per mile.

### Injection Zone:

The proposed injection zone is between 4,242' to 4,949' located in the Green River formation. This interval is composed of porous and permeable sandstones interbedded with lower permeability siltstones, claystones, and shale breaks. The gross thickness of the injection zone varies from 684 feet to 775 feet. The average thickness of the injection zone in the area of the proposed ULT 4-31 SWD is 725 feet. An isopach map for the injection interval is included in Attachment D3.

Attachment D4 is cross-section of wells in the AOR showing the correlation of the upper confining zone, injection zone and lower confining zone.

### **E. Operating Data**

The daily volumetric disposal for the ULT 4-31 SWD will vary depending upon water production rates from oil producers in the vicinity. Ute anticipates injectivity as high as several thousand barrels of water per day (BWPD). Injection rate will be constrained by the maximum allowable injection pressure (MAIP) at surface. MAIP will be determined when the well is stimulated. The fracture gradient will be used to calculate MAIP. The actual pressure will depend upon the fracture gradient approved by UDOGM.

The injected fluid will consist of produced water from Wasatch and Green River formation oil producers that Ute has both working interest and/or net revenue interest. Attachment E1 is a list of current wells that will currently utilize the injection well. Ute is requesting an average injection rate of 8,000 BWPD.

### **F. Injection Procedures**

Water will be trucked and piped to the site using existing roads, future roads and pipelines to dispose of fluid into the well.

Ute plans to install monitoring and telemetry equipment to monitor injection pressure, injection rate and casing pressure via a SCADA system. Additionally, the well will be checked daily with rates and pressures recorded weekly at a minimum. Attachment F1 includes UDOGM UIC Forms 3 and 4. Ute will fill out these forms as required by UDOGM.



### **G. Construction Details**

The current wellbore diagram for the subject well is contained in Attachment B1.

Once the draft permit is issued, Ute will conduct a Mechanical Integrity Test (MIT) and Injection Test to determine if additional remedial work is necessary. The MIT will be conducted following UDOGM guidance and requirements.

Attachment G1 contains the procedure to be used for conversion to a UIC well. The proposed injection wellbore diagram is also enclosed.

### **H. Plugging and Abandonment Plan**

The Plugging & Abandonment (P&A) procedure and SWD well diagram is contained in Attachment H1.

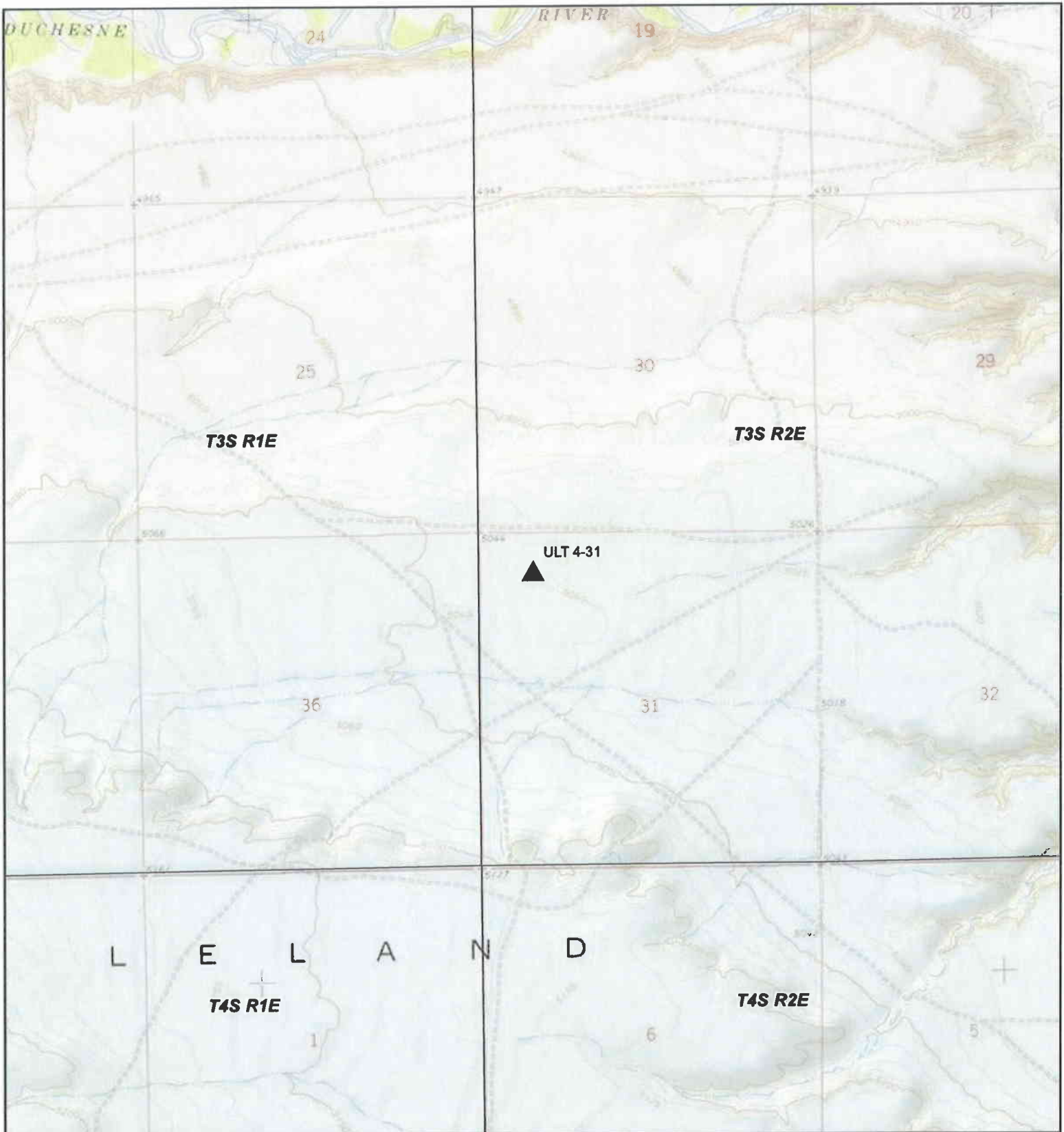
### **I. Financial Responsibility Demonstration**

Ute is prepared to provide a surety bond once the application is approved and there is agreement with plugging costs. They are very familiar with the use of bonds to cover plugging costs in all of their operations.

### **J. Aquifer Exemption**

An aquifer exemption is not required at the proposed ULT 4-31 SWD location. The average concentration of TDS was 84,013 mg/l for water collected from within the proposed injection zones. The ULT 4-31 SWD is located 3.0 miles from the closest known potential USDW.





**Project Location**



**Legend**

▲ Ute 4-31



0 0.125 0.25 0.5 0.75 1 Miles

**Ute Energy, LLC**

**Ute 4-31  
Area Map**

**Figure A1**

**March 2012**

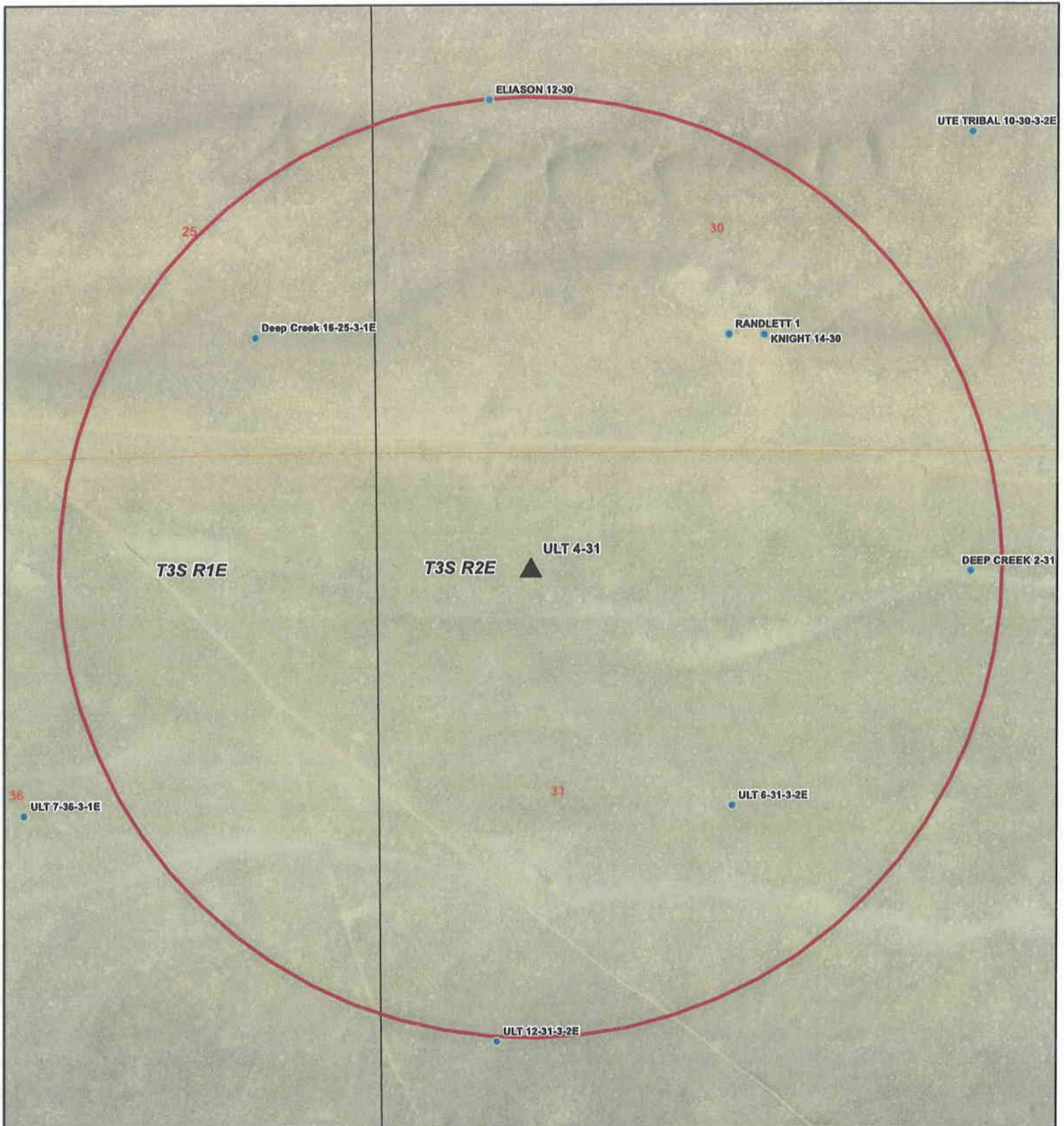




**ATTACHMENT A2**

**AREA OF REVIEW**





**Project Location**



**Legend**

- ▲ ULt 4-31
  - UDOGM Wells
  - Mile Radius
- 0 0.125 0.25 Miles



**Ute Energy, LLC**

**ULt 4-31  
Area of Review**

Figure A2

March 2012

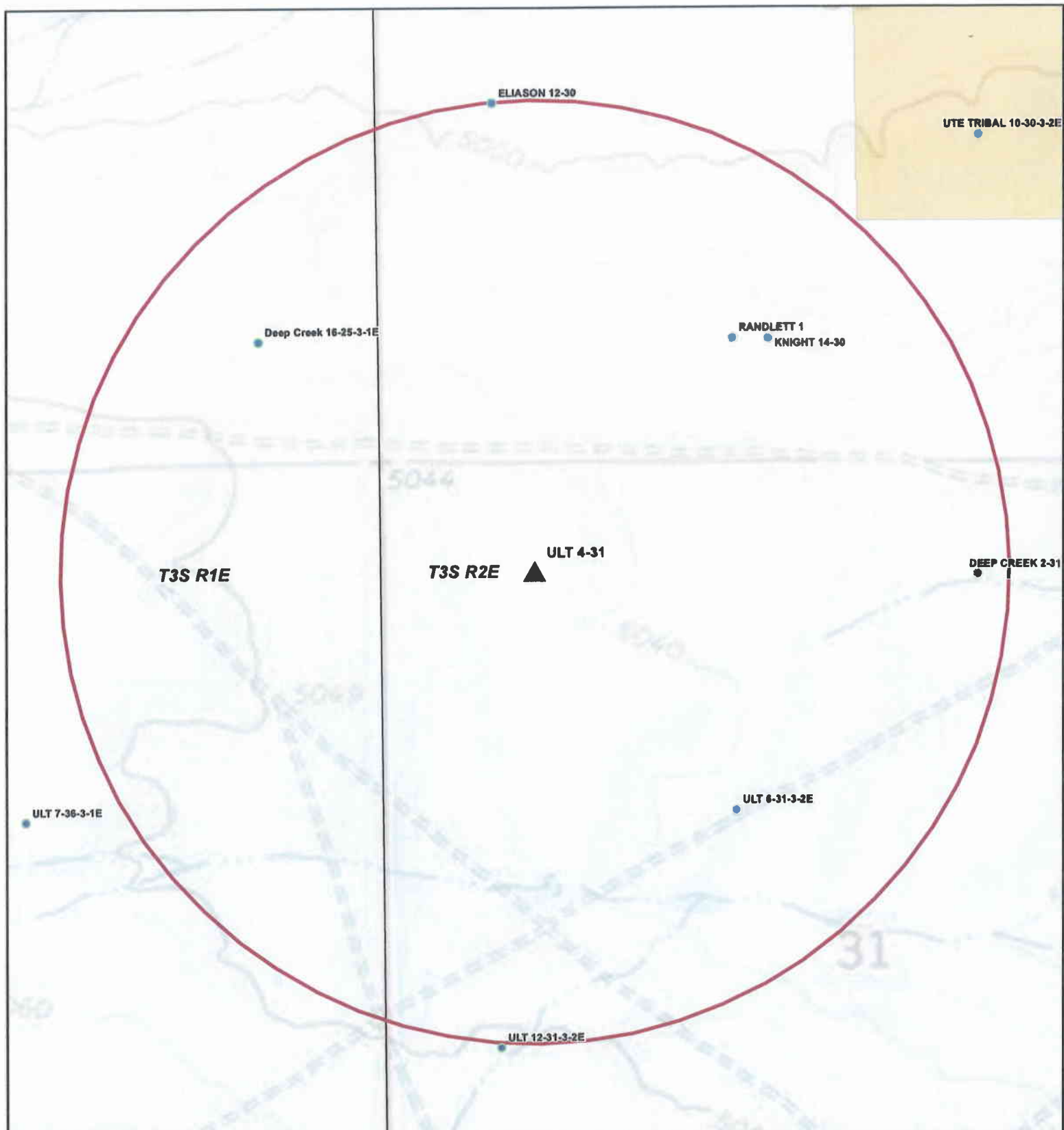




**ATTACHMENT A3**

**LAND OWNERSHIP AND AFFIDAVIT NOTIFICATION**





### Project Location



### Legend

- ▲ Ult 4-31
- UDOGM Wells
- 1/2 Mile Radius
- Land Ownership
- Private
- Tribal



0 0.125 0.25 Miles

### Ute Energy, LLC

Ult 4-31  
Land Ownership

Figure A3

March 2012





**List of Property Owners within ½-mile of ULT 4-31 SWD Well**

**P. Robert Knight**

2592 East Stanford Lane  
Holladay, UT 84117  
(801) 680-1001

**Utah Land Trust**

Mr. Gilbert Maggs, Trustee  
230 Park Avenue  
Satellite Beach, FL 32937  
(321) 917-4999

**Deep Creek Investment**

C/O Lee M. Smith, General Partner  
2400 Sunnyside Ave  
Salt Lake City, UT 84108  
(801) 322-1235



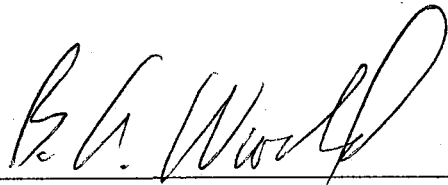
## AFFIDAVIT OF MAILING

Ute Energy, 1875 Lawrence, Suite 200, Denver, Colorado, 80202 has identified all of the operators, owners, and surface owners within a one-half mile radius of the proposed injection well.

I, Brad A. Woodard, Project Manager II, Kleinfelder, being first duly sworn, depose and state as follows; On April 9, 2012, I caused to be mailed by certified mail, postage prepaid, return receipt requested, an affidavit certifying that a copy of the application has been provided to all operators, owners, and surface owners within a one-half mile radius of the proposed injection well

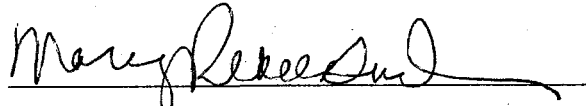
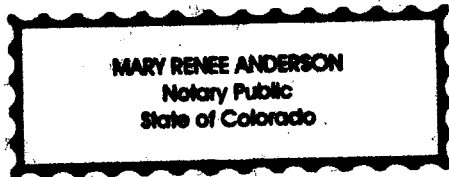
The attached list contains the names of all parties who were notified.

Dated this 9th day of April, 2012



Brad A. Woodard, C.P.G.  
Project Manager II  
Kleinfelder

The forgoing affidavit was subscribed and sworn to before me by Brad A. Woodard.  
This 9th day of April, 2012

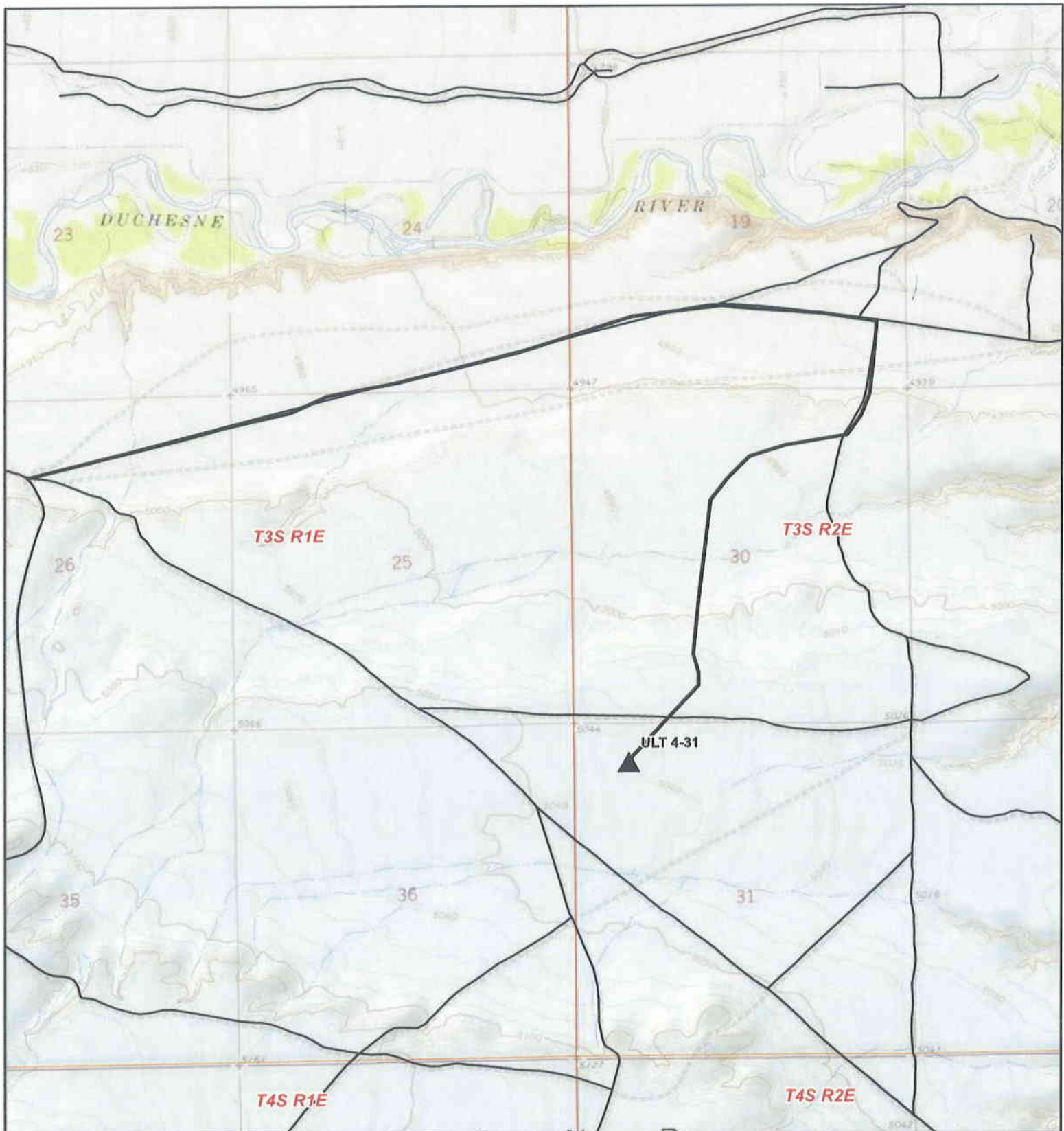


Colorado, Notary Public  
Comm. Exp 5/27/2016



**ATTACHMENT A4**  
**EXISTING ROADS MAP**





**Project Location**



**Legend**



**Ult 4-31**



**Existing Road**



0 0.125 0.25 0.5 0.75 1 Miles

**Ute Energy, LLC**

**Ult 4-31  
Existing Roads**

Figure A4

March 2012

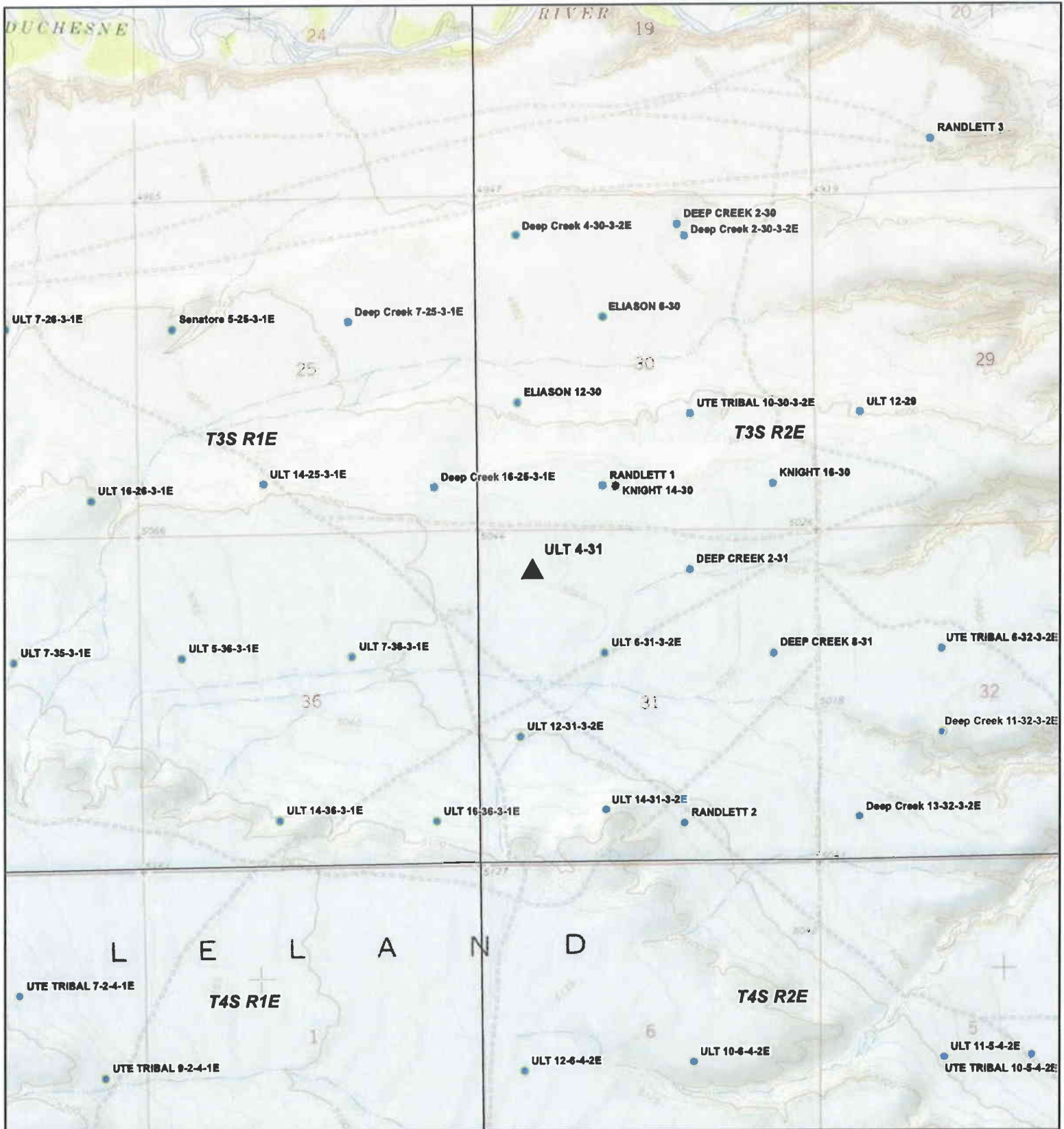




**ATTACHMENT A5**

**EXISTING WELLS**





**Project Location**



**Legend**

- ▲ Ult 4-31
- UDOGM Wells



0 0.125 0.25 0.5 0.75 1 Miles

**Ute Energy, LLC**

**Ult 4-31  
Existing Wells**

Figure A5

March 2012



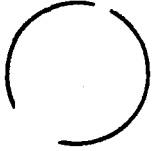


**ATTACHMENT B1**

**ULT 4-31**

**WELL RECORDS, CEMENT BOND LOGS,  
& SCHEMATIC**





## **FLYING J OIL & GAS INC.**

333 WEST CENTER STREET • NORTH SALT LAKE, UTAH 84054  
PHONE (801) 296-7700 • FAX (801) 296-7888

April 15, 2008

Mr. John Baza  
Associate Director  
Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

**RECEIVED**

**APR 17 2008**

DIV. OF OIL, GAS & MINING

RE: ULT 4-31  
NWNW Sec. 31, T3S, R2E  
Randlett Field, Uintah County  
Application for Permit to Drill

Dear Mr. Baza:

Enclosed are an APD, Form 3, and appropriate attachments, submitted in duplicate, for the ULT 4-31 well proposed as a new Green River formation development well in the Randlett Field. Your consideration and approval of this application is requested.

Flying J Oil & Gas plans to use fresh water for drilling to the surface casing depth of 763'. This water will be supplied by Water Disposal Inc. under water permit number 43-11273. Produced water from Flying J operated wells will be used to drill below surface casing under Flying J Oil & Gas Inc. water user number 2617. The surface owner at the proposed well site is Gilbert Maggs (Utah land Trust), telephone 321-777-9100.

Thank you for consideration of this application. If you have any questions, or if you need additional information to assist in review and approval of this application, please call me at 801-296-7772.

Sincerely,  
Flying J Oil & Gas Inc.

Jordan R. Nelson  
Petroleum Engineer



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐  
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>				5. MINERAL LEASE NO: <b>Fee</b>	6. SURFACE: <b>Fee</b>
1A. TYPE OF WORK:    DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>NA</b>	
B. TYPE OF WELL:    OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____    SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				8. UNIT or CA AGREEMENT NAME: <b>NA</b>	
2. NAME OF OPERATOR: <b>Flying J Oil &amp; Gas Inc.</b>				9. WELL NAME and NUMBER: <b>ULT 4-31</b>	
3. ADDRESS OF OPERATOR: <b>333 W Center St</b> CITY <b>North Salt Lake</b> STATE <b>UT</b> ZIP <b>84054</b>				10. FIELD AND POOL, OR WILDCAT: <b>Randlett</b>	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: <b>660 FNL 660 FWL 606586X 40.184146</b> AT PROPOSED PRODUCING ZONE: <b>Same 44486554 -109.818489</b>				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NWNW 31 T3S R2E U</b>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: <b>18.9 miles south and east of Roosevelt, UT</b>				12. COUNTY: <b>Uintah</b>	13. STATE: <b>UTAH</b>
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) <b>660</b>		16. NUMBER OF ACRES IN LEASE: <b>3,246</b>		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: <b>80</b>	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) <b>NA</b>		19. PROPOSED DEPTH: <b>7,200</b>		20. BOND DESCRIPTION: <b>State Blanket #08757276</b>	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): <b>5,041 graded ground</b>		22. APPROXIMATE DATE WORK WILL START: <b>6/15/2008</b>		23. ESTIMATED DURATION: <b>10 days</b>	

24. PROPOSED CASING AND CEMENTING PROGRAM						
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT	
26"	20"			53	Class G	140 sks 1.15 cuft/sk 15.8 #/gal
12 1/4"	9 5/8"	36#	J55	763	Primary: Class G	440 sks 1.15 cuft/sk 15.8 #/gal
					Top Out: Class G	100 sks 1.15 cuft/sk 15.8 #/gal
7 7/8"	5 1/2"	17#	K55	7,200	Lead: Class G	260 sks 4.41 cuft/sk 11.0 #/gal
					Tail: 50:50 Poz:G	440 sks 1.28 cuft/sk 14.1 #/gal

25. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Jordan R. Nelson    TITLE Petroleum Engineer

SIGNATURE *Jordan R. Nelson*    DATE 4/15/2008

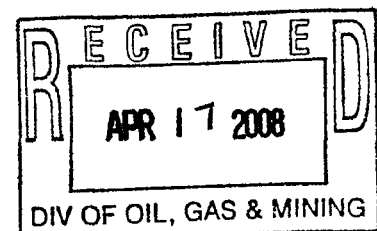
(This space for State use only)

API NUMBER ASSIGNED: 43042-40017

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

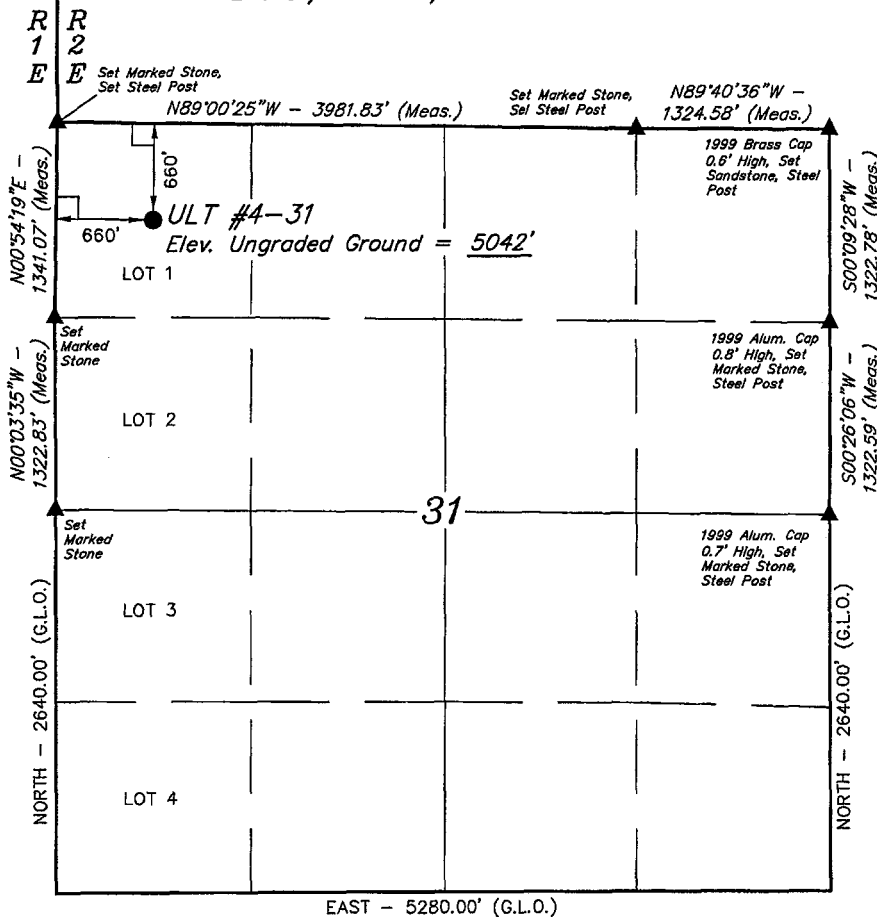
APPROVAL:

Date: 06-16-08  
(See Instructions on Reverse Side)  
By: *[Signature]*





T3S, R2E, U.S.B.&M.



**LEGEND:**

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(AUTONOMOUS NAD 83)  
 LATITUDE = 40°11'02.99" (40.184164)  
 LONGITUDE = 109°49'09.25" (109.819236)  
 (AUTONOMOUS NAD 27)  
 LATITUDE = 40°11'03.13" (40.184203)  
 LONGITUDE = 109°49'06.73" (109.818536)

**FLYING J OIL & GAS INC.**

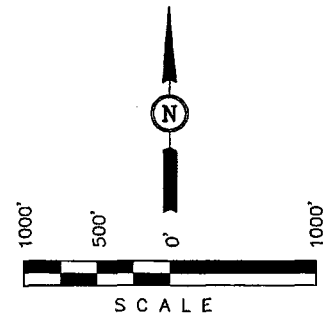
Well location, ULT #4-31, located as shown in the NW 1/4 NW 1/4 of Section 31, T3S, R2E, U.S.B.&M., Uintah County, Utah.

**BASIS OF ELEVATION**

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION 30, T3S, R2E, U.S.B.&M. TAKEN FROM THE RANDLETT, UTAH, QUADRANGLE, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4939 FEET.

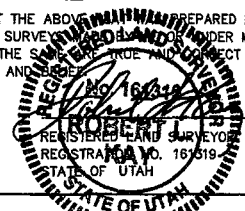
**BASIS OF BEARINGS**

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE MAP WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY AND UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



**UINTAH ENGINEERING & SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 04-04-08	DATE DRAWN: 04-10-08
PARTY T.A. D.C. L.K.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE FLYING J OIL & GAS INC.	



# FLYING J OIL AND GAS INC.

RECEIVED

APR 17 2008

DIV. OF OIL, GAS & MINING

## APPLICATION FOR PERMIT TO DRILL

For

ULT 4-31

Located in

Township 3 South, Range 2 East, Section 31: NWNW  
660' FNL, 660' FWL

Uintah County, Utah

### CONTENTS AND EXHIBITS

Form 3  
Photos  
Survey Plat

Drilling Plan  
Blowout Preventer & Manifold Schematic

Surface Use Plan  
Production Facility Layout  
Location of Existing Wells  
Figure 1, Location Layout  
Figure 2, Cut and Fill Sheet  
Location Damage Area & Road Right-of-Way  
Topo A, scale 1:100,000  
Topo B, scale 1"=2000'  
Affidavit of Surface Agreement

April 15, 2008



# FLYING J OIL & GAS INC.

## DRILLING PLAN

For

ULT 4-31

Located in

Township 3 South, Range 2 East, Section 31: NWNW  
660' FNL, 660' FWL

Uintah County, Utah



## Geology:

Tops of important geologic markers and potential water, oil, gas, and mineral content are as follows:

Graded Ground Level 5,041'; Estimated KB Elevation 5,054'

<u>Formation Top</u>	<u>Depth (KB)</u>	<u>Datum (SS)</u>	<u>Contents</u>
Uinta Formation	Surface	+5,041	Water
Green River Formation	2,974	+2,080	Water, Oil, Gas
Tgr 3 Marker	5,789	-735	Water, Oil, Gas
Douglas Creek Member	6,419	-1,365	Oil, Gas
Total Depth	7,200		

## Drilling Program:

- Build road and drilling pad. Set 20" conductor at 53' KB and dig rat hole and mousehole. Check to make sure conductor has no deviation.
- If timing allows, use a smaller rig to drill a 12-1/4" hole to 763' KB and pre-set surface casing as outlined in this procedure. Otherwise, the surface casing will be set by the bigger drilling rig.
- Move in and rig up a drilling rig.
- Drill 12-1/4" surface hole to 763' KB with fresh water mud. Survey at least every 300' and limit deviation to 1°. Notify DOGM (801-538-5340) immediately upon spudding the well. Give the well name, legal location, permit number, drilling contractor, company representative, and the date and time of spudding. Note full name of person taking "notification of spud" on initial morning and tour reports.
- Run 750' of 9-5/8", 36#, J-55, ST&C casing. Cement the 9-5/8" casing to surface per cementing specifications. Top job if necessary with Class "G" cement containing a minimum 2% Calcium Chloride.
- Wait on cement 4 hours before slacking off weight and 12 hours before drilling out. Weld on a 9-5/8" x 11" 3M casing head and test weld to 1,500 psi. Nipple up BOPE with blind rams on bottom, pipe rams, and annular preventer on top. Perform BOPE tests.
- If a plug is used to facilitate BOPE tests, the casing will be tested prior to drillout to 1 psi/ft times the depth of the casing seat or 70% of the minimum internal yield pressure of the casing.
- Drill out using a 7-7/8" PDC bit and mud motor. After drilling 10' of new formation, perform a casing shoe test to an equivalent mud weight of 10.0 ppg for 10 minutes. Run a brass saver sub below the kelly at all times.



- Drill to TD ( $\pm 7,200'$  KB) with mud as detailed in this procedure. Mud-up will not be required until  $\pm 4,800'$  (331' above Trona water zone). Take deviation surveys every 500' or at bit trips. Keep deviation less than  $3^\circ$  and doglegs less than  $\frac{1}{2}^\circ/100'$  to TD.
- At TD, circulate to condition hole and trip out. Run the following open-hole logs:  
 DIL-SP-GR-Caliper, TD to 763' KB (GR to Surface)  
 CNL-FDC-GR, TD to 4,800' KB
- Clean out and condition hole and mud for running and cementing casing. Recommended mud properties: Plastic Viscosity (PV) < 15 centipoise (cp), Yield Point (YP) < 10 lb/100 ft<sup>2</sup>, 10-second/10-minute gel strength values should be such that the 10-second and 10-minute readings are close together or flat (i.e., 5/6). The 30-minute reading should be less than 20 lb/100 ft<sup>2</sup>. The goal of proper mud conditioning is to maximize displacement of mud and create turbulent flow during mud displacement/cementing operations. Work with mud engineer to manage PV/YP ratio to lower critical velocity necessary for turbulent flow.  
 Pull and lay down drill pipe and collars. Run 5-1/2" production casing as detailed. Cement the 5-1/2" casing as detailed. Reciprocate casing while cementing. Immediately displace cement with water to leave no cement in the production casing.
- Release drilling rig and demobilize off location.

### **Casing and Cementing Program:**

Casing Program (new casing):

<u>Hole Size</u>	<u>Casing Size</u>	<u>Description</u>	<u>Setting Depth Interval</u>
26"	20"	Conductor	53' KB
12-1/4"	9-5/8"	36#, J-55, STC	0 – 763' KB
7-7/8"	5-1/2"	17#, K-55, LTC	0 – 7,200' KB

Casing with sufficient burst, collapse, and tension rating may be substituted for any of the above depending on availability.

The following safety factors were incorporated into the design of the casing program:

Burst	1.10
Collapse	1.125
Tension	1.80

For casing design purposes, the maximum mud weight at TD is assumed 10.0 ppg.

#### **Cementing Program:**

Conductor: Conductor cement will be neat Class "G" containing CaCl<sub>2</sub>. The volume of cement will be as required to cement to surface.



- Surface:** Surface casing cement will consist of primary slurry: 440 sks premium class G cement w/0.25 lb/sk Flocele, 2% CaCl<sub>2</sub> and other appropriate additives, 1.15 cuft/sk, 15.80 lb/gal; top out slurry: 100 sks premium class G cement, 1.15 cuft/sk, 15.8 lb/gal. Slurry volumes will be adjusted as required to cement to surface plus 100% excess. Casing hardware will include guide shoe, insert float, six centralizers, and a top plug.
- Production:** Production casing will be cemented in one stage consisting of 260 sks class G lead cement w/ appropriate additives, 4.41 cuft/sk, 11.0 lb/gal, to fill from 4,800' to surface and a tail of 440 sks 50/50 Poz cement w/ appropriate additives, 1.28 cuft/sk, 14.10 lb/gal, to fill from approximately 7,200' (TD) to 4,500'. Hardware will include a guide shoe, float collar, twenty-five centralizers, and a top plug. Actual cement volumes are to be based on callipered hole volume plus 35% excess.

Actual cement slurries for conductor, surface, and production casing will be based on final service company recommendations.

The DOGM shall be notified at least twenty-four hours prior to running and cementing the surface and production casing strings.

### **Blow Out Prevention Equipment:**

Minimum specifications for BOP equipment while drilling 7-7/8" hole to 7,200' KB below 9-5/8" casing are:

- 3,000 psi 9-5/8" casing head
- 3,000 psi csg/drilling spool w/outlets for kill and manifold line
- 3,000 double ram BOP with pipe rams and blind rams
- 3,000 psi spherical
  - upper and lower kelly cocks
  - flow nipple w/flow and fill line

Ram type BOP, choke manifold, and related equipment will be tested to rated working pressure of BOP stack, if isolated from the surface casing by a test plug, or 70% of internal yield of casing if not isolated. Annular type preventers shall be tested to 50% of rated working pressure. Pressure shall be maintained for at least 10 minutes or until the requirements of the test are met, whichever is longer. Testing will be performed when initially installed, whenever any seal subject to test is broken, following related repairs and at least every 30 days. Pipe rams and blind rams shall be functionally operated on every trip. Annular type preventers shall be functionally operated at least weekly.

Accessories to BOP include a kelly cock, floor safety valve, and choke manifold with pressure rating equivalent to the BOP stack. All auxiliary BOP equipment will be tested to appropriate pressures when BOPs are tested.



All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

Choke manifold equipment shall be functionally equivalent to the attached diagram. The configuration of the chokes may vary.

All valves in the kill line choke manifold, and choke line shall be a type that does not restrict the flow (full opening) and that allows a straight through flow.

Pressure gauges in the well control system shall be a type designed for drilling fluid service.

The accumulator will have sufficient capacity to open the hydraulically controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps. The fluid reservoir capacity will be double the accumulator capacity and the fluid level be maintained at the manufacturer's recommendations. The BOP system will have two independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every 6 months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in Onshore Oil & Gas Order Number 2.

### **Mud Program:**

INTERVAL (feet)	MUD WEIGHT (lbs/gal)	VISCOSITY (sec/qt)	FLUID LOSS (ml/30 min)	MUD TYPE
0 – 4,800	8.3 – 8.7	35 +/-	-	Water/Polymer
4,800 – 7,200	8.7 – 10.0	35 +/-	10cc/less	Low Solids Non Disp

Mud gain or loss will be visually monitored. Mud loggers will be rigged up prior to encountering anticipated hydrocarbon zones to monitor hydrocarbon content in the mud. Minimum mud weights will be maintained to insure fast penetration rates, and decrease the chances of lost circulation. An adequate amount of mud will be kept on location or readily accessible for the purpose of maintaining well control during the course of drilling operations.



Mud up with a LSND/PHPA system will occur at approximately 4,800'. Trona water entry at  $\pm 5,131'$  is expected to require 9.7 ppg drilling fluid to control. Filtration will be reduced to 10 cc's/30 minutes by the Trona water zone.

Sufficient mud inventory will be maintained on location during drilling operations to handle any adverse conditions that may occur, including LCM for lost circulation and weighting materials. The mud monitoring system will consist of visual pit markers. The hole will be kept full at all times.

### **Evaluation:**

A one-man mud logging unit will be in operation from a depth of approximately 4,000' to TD. Samples will be caught, cleaned, bagged, and marked as required.

Drill Stem Tests – No DST's are expected.

Coring – No coring is planned

Open-hole logs will include DIL-SP-GR-Caliper from TD to surface casing at 763' (GR to Surface) and CNL-FDC-GR from TD to 4,800'.

### **Expected Bottom-Hole Pressure and Abnormal Conditions:**

Hydrogen Sulfide – Water analysis from the offset Knight 14-30 well showed 7 ppm Hydrogen Sulfide ( $H_2S$ ) gas.

Bottom-hole pressure in the Douglas Creek Member of the Green River is expected to have a pressure gradient of approximately 0.43 psi/ft (3,096 psi at TD). Mud up will occur at  $\pm 4,800'$  due to water entry at  $\pm 5,131'$  and lost circulation. The Trona water zone is expected to require 9.7 ppg drilling fluid to control.

No abnormally high temperatures are expected. Bottom-hole temperature is expected to be approximately 150 °F.



# FLYING J OIL AND GAS INC.

## SURFACE USE PLAN

For

ULT 4-31

Located in

Township 3 South, Range 2 East, Section 31: NWNW  
660' FNL, 660' FWL

Uintah County, Utah



## **Surface Use Plan:**

Access will be from 6500 S also known as the J.E. Smith Ranch Road in the SE/4 section 19, T3S, R2E. An access road has been built to the Knight 14-30 well located in the SW/4 section 30. An additional 0.3 miles of new road will be built to access the ULT 4-31. See the attached exhibit "Topo B".

Current surface use is open range grazing.

Existing water and oil/gas wells within a one mile radius are shown on exhibit "Location of Existing Wells".

Planned production facilities are shown on exhibit "Production Facility Layout".

Construction materials are expected to be native and obtained on site.

No ancillary facilities are planned.

Waste management will include burial of drill cuttings on-site, and disposal of drilling mud, completion fluids and produced water into a permitted produced water disposal facility.

## **Reporting:**

**Drilling Contractor:** A daily report will be provided to the company drilling consultant each day. All tickets and reports including a copy of the daily drilling log will be provided to the drilling consultant and to the Roosevelt, Utah office weekly.

**Drilling Consultant:** A daily report on the specified form will be emailed or faxed to the Roosevelt, Utah and North Salt Lake, Utah offices. A report of well spudding and BOP testing will be called into a representative of the UDOGM at least 24 hours prior to conducting such operations. Before conducting any critical operation such as running pipe, cementing, drill stem testing, or logging, the drilling consultant should contact Jordan Nelson of the North Salt Lake office regarding the specific procedure for such operations.

**Mud Contractor:** The daily mud checks will be recorded and reported to the drilling consultant with accurate daily costs and volume of products used. A copy of these reports will be sent to the Roosevelt and North Salt Lake offices as a job summary.

**Mud Logger:** Reports should be provided as specified by Mr. Carl Kendell of the North Salt Lake office.



**AFFIDAVIT**

STATE OF UTAH     )  
                              )ss:  
COUNTY OF DAVIS    )

Chris J. Malan, of lawful age and being first duly sworn upon oath, deposes and says:

1. That he eighteen years of age or older and that he has personal knowledge of the matters set forth in this affidavit.

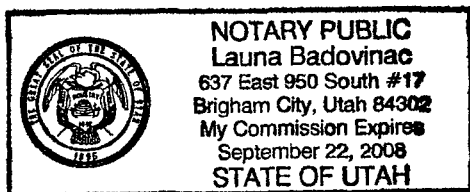
2. That he is currently employed as Vice President, General Counsel and Manager of Lands of Flying J Oil & Gas Inc. and in the course of his responsibilities has reached agreement with Utah Land Trust to use portions of Utah Land Trust lands for the ULT #12-29, the ULT #4-31 and ULT #6-31 Well sites and to use portions of Utah Land Trust lands for access roads to such well sites.


3. The locations of the well sites described above and the access roads to such well sites are generally as depicted on Exhibit A attached hereto and incorporated herein by this reference.

Further affiant sayeth not.

  
Chris J. Malan

Subscribed and sworn to before me this 15<sup>th</sup> day of April, 2008.



  
Notary Public for the State of Utah



**Landowner:**

Gilbert Maggs, Utah Land Trust      321-777-9100      Satellite Beach, FL

**Company Contacts:**

Flying J Oil & Gas Inc.

Invoices and Bills for this Project:

P.O. Drawer 130  
Roosevelt, UT 84066

Main Office:

333 West Center Street  
North Salt Lake, Utah 84054

Superintendent:

Larry Rich  
(435) 722-5166  
(435) 722-5169  
(435) 722-3111  
(435) 823-5520

Roosevelt Office  
Roosevelt Office Fax  
Home  
Cell

V.P., Operations:

Jim Wilson  
(801) 296-7710  
(801) 296-7888  
(801) 943-0693  
(801) 541-0300

North Salt Lake Office  
North Salt Lake Office Fax  
Home  
Cell

Engineer:

Jordan Nelson  
(801) 296-7772  
(801) 296-7888  
(801) 541-2589

North Salt Lake Office  
North Salt Lake Office Fax  
Cell

Geologist:

Carl Kendell  
(801) 296-7721  
(801) 296-7888  
(801) 547-0484

North Salt Lake Office  
North Salt Lake Office Fax  
Home

**Directions to Well Site:**

The well location will be approximately 18.9 miles south and east of Roosevelt.

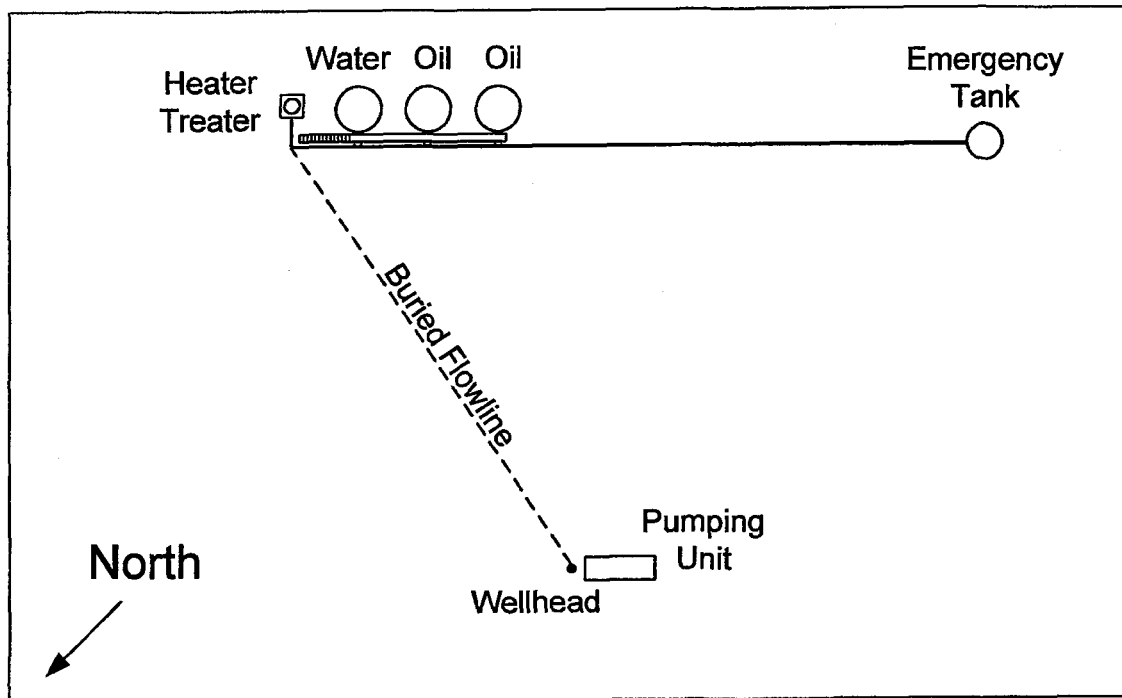
From Roosevelt, Utah:

Go east from center of Roosevelt on Highway 40 for 7.0 miles. Turn south on 7500 E. and proceed for 6.9 miles. Take the left fork on gravel road (Leland Bench Road) and go 0.7 miles. Take the left fork (J.E. Smith Ranch Road) and go for 2.6 miles. Turn right (south) on access road and proceed 1.7 miles to the well site.



## ULT 4-31

### Completed Well Production Facility Layout (Not to Scale)





# FLYING J OIL & GAS INC.

ULT #4-31

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 31, T3S, R2E, U.S.B.&M.

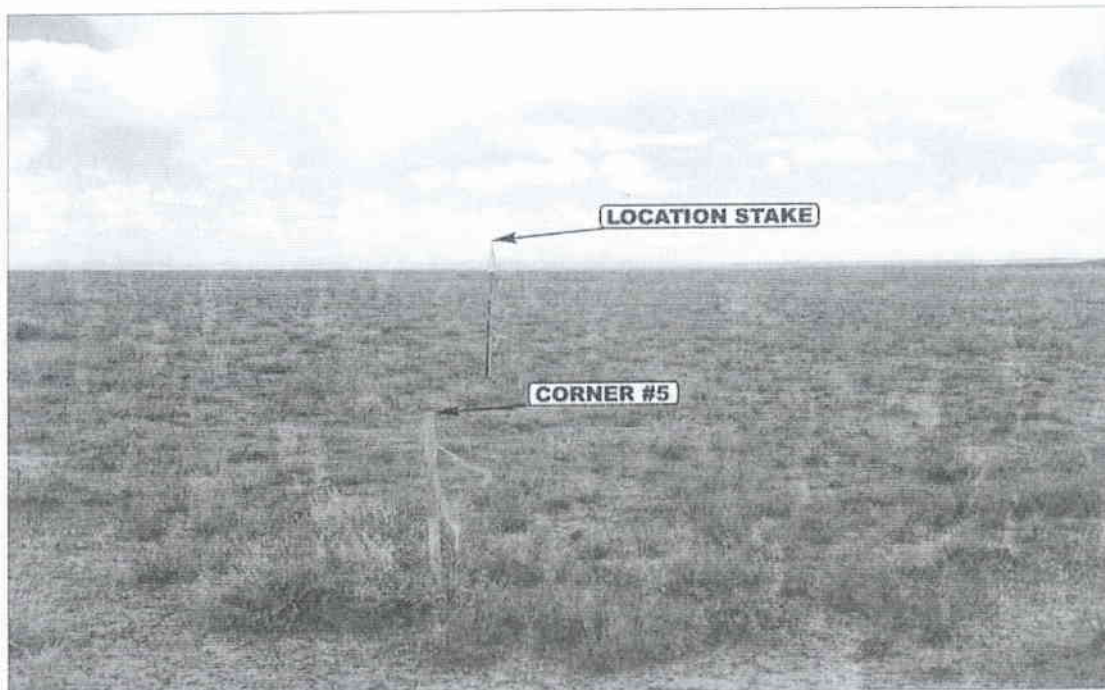


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY

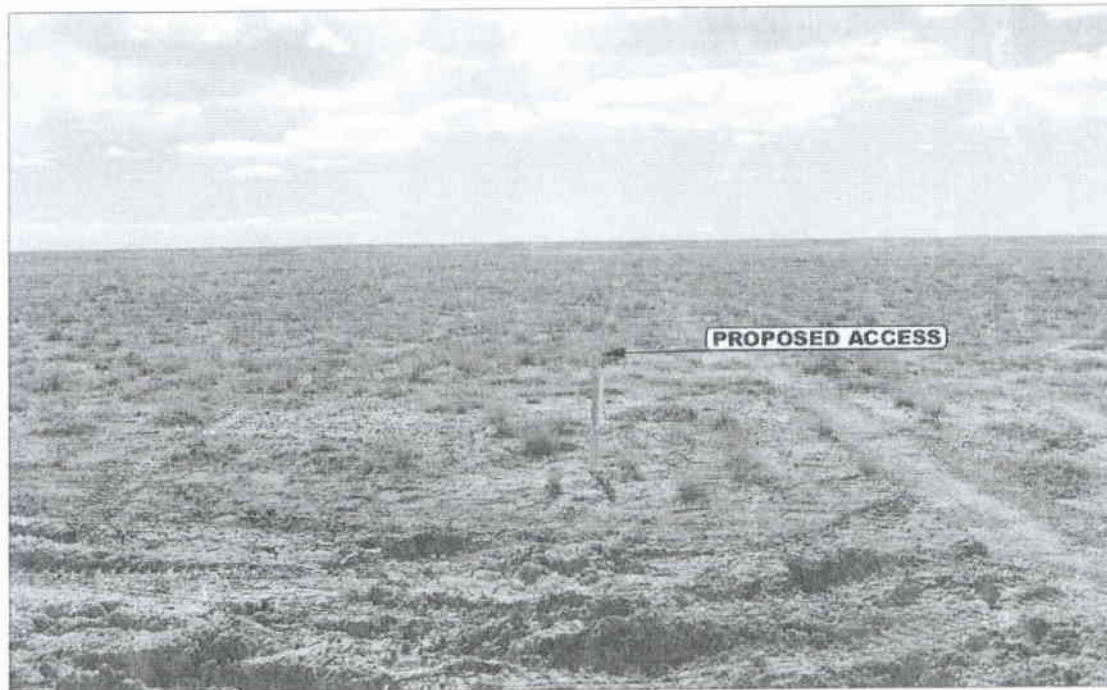


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHWESTERLY



U  
E  
L  
S

Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

4 8 08  
MONTH DAY YEAR

PHOTO

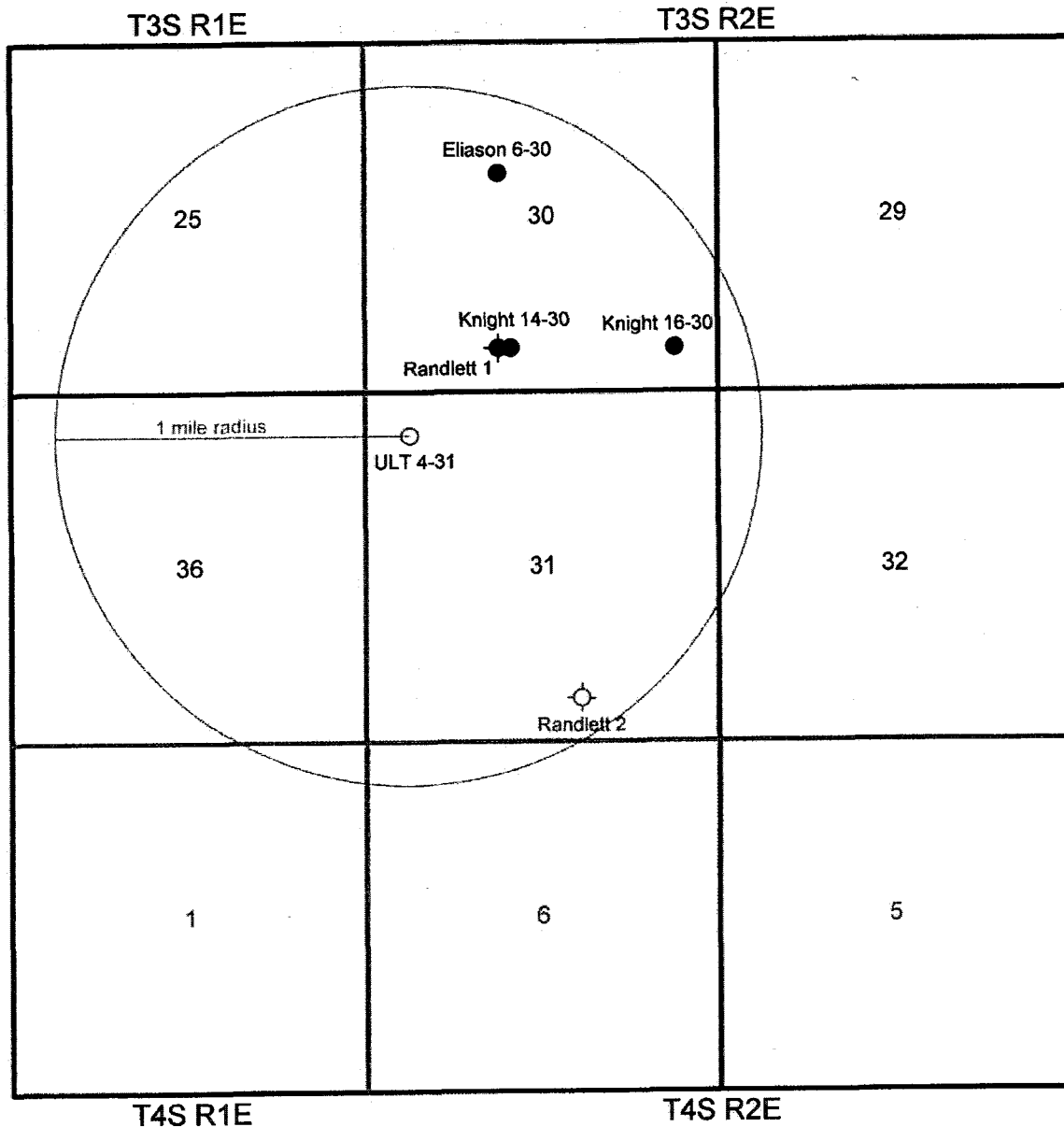
TAKEN BY: T.A.

DRAWN BY: G.L.

REVISED: 00-00-00



### Location of Existing Wells



Scale: 1" = 2640'

#### Oil/Gas Wells

- Eliason 6-30
- Knight 14-30
- Knight 16-30
- ◆ Randlett 1, P&A
- Randlett 2, D&A

#### Water Wells

None

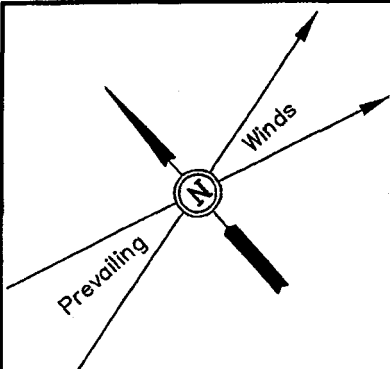


# FLYING J OIL & GAS INC.

## LOCATION LAYOUT FOR

ULT #4-31  
SECTION 31, T3S, R2E, U.S.B.&M.  
660' FNL 660' FWL

SCALE: 1" = 50'  
DATE: 04-10-08  
DRAWN BY: L.K.



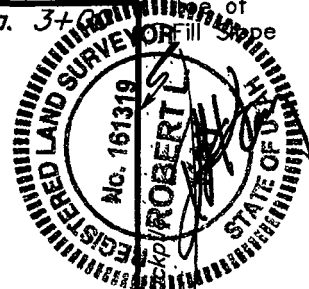
Proposed Access Road

F-0.5'  
El. 40.7'

Approx.  
Top of  
Cut Slope

Approx.

Sta. 3+00

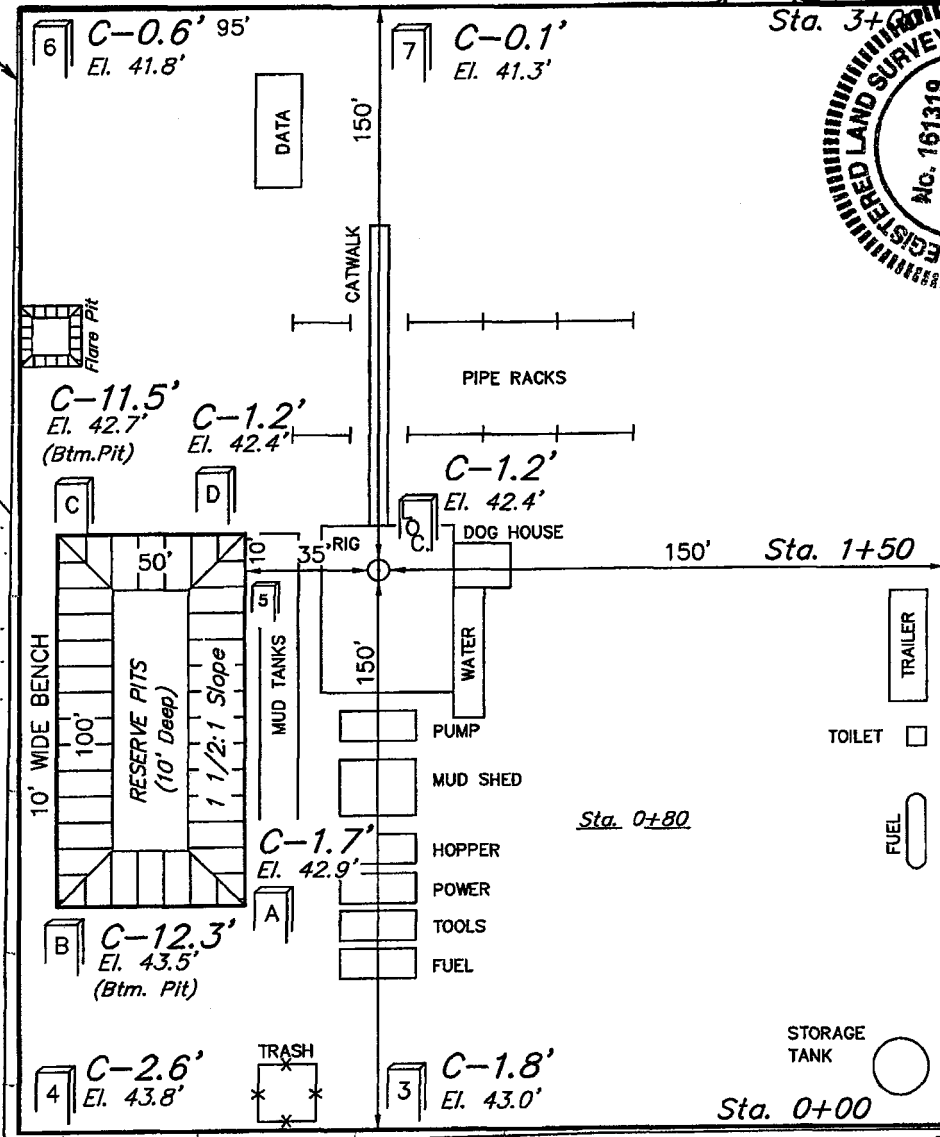


### NOTE:

Flare Pit is to be located a min. of 100' from the Well Head.

Total Pit Capacity  
W/2' of Freeboard  
= 3,810 Bbls. ±  
Total Pit Volume  
= 1,130 Cu. Yds.

Reserve Pit Backfill  
& Spoils Stockpile



Elev. Ungraded Ground at Location Stake = 5042.4'  
Elev. Graded Ground at Location Stake = 5041.2'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017



# FLYING J OIL & GAS INC.

## TYPICAL CROSS SECTIONS FOR

ULT #4-31

SECTION 31, T3S, R2E, U.S.B.&M.

660' FNL 660' FWL

### NOTE:

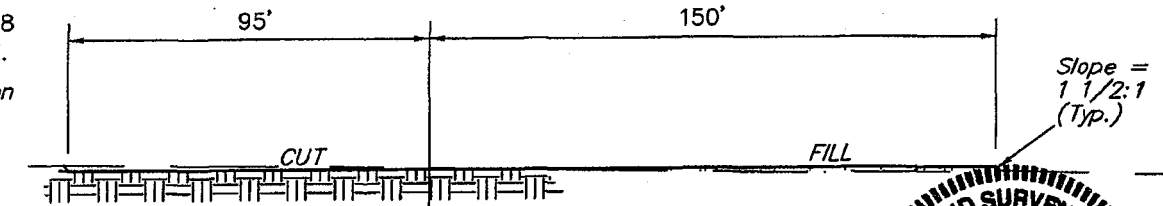
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

1" = 20'  
X-Section Scale  
1" = 50'

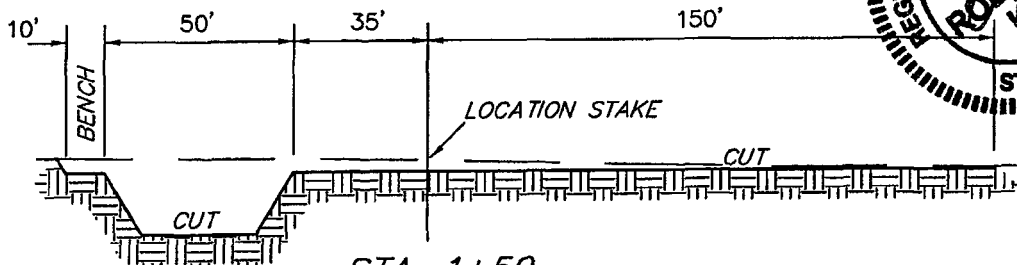
DATE: 04-10-08

DRAWN BY: L.K.

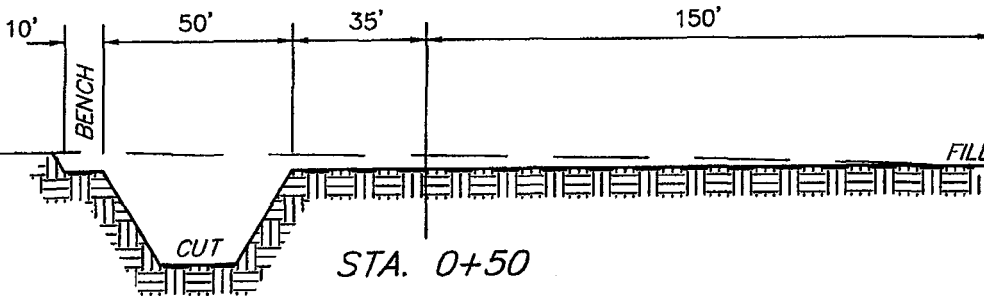
Preconstruction Grade



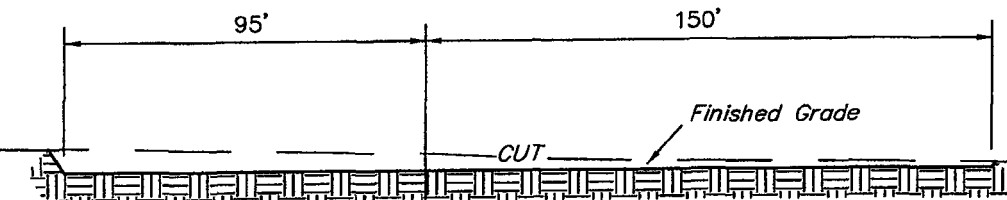
STA. 3+00



STA. 1+50



STA. 0+50



STA. 0+00

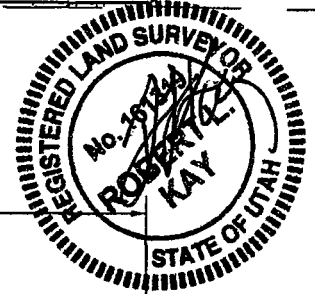
### APPROXIMATE YARDAGES

CUT	
(12") Topsoil Stripping	= 2,810 Cu. Yds.
Remaining Location	= 1,720 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 4,530 CU.YDS.</b>
<b>FILL</b>	<b>= 1,150 CU.YDS.</b>

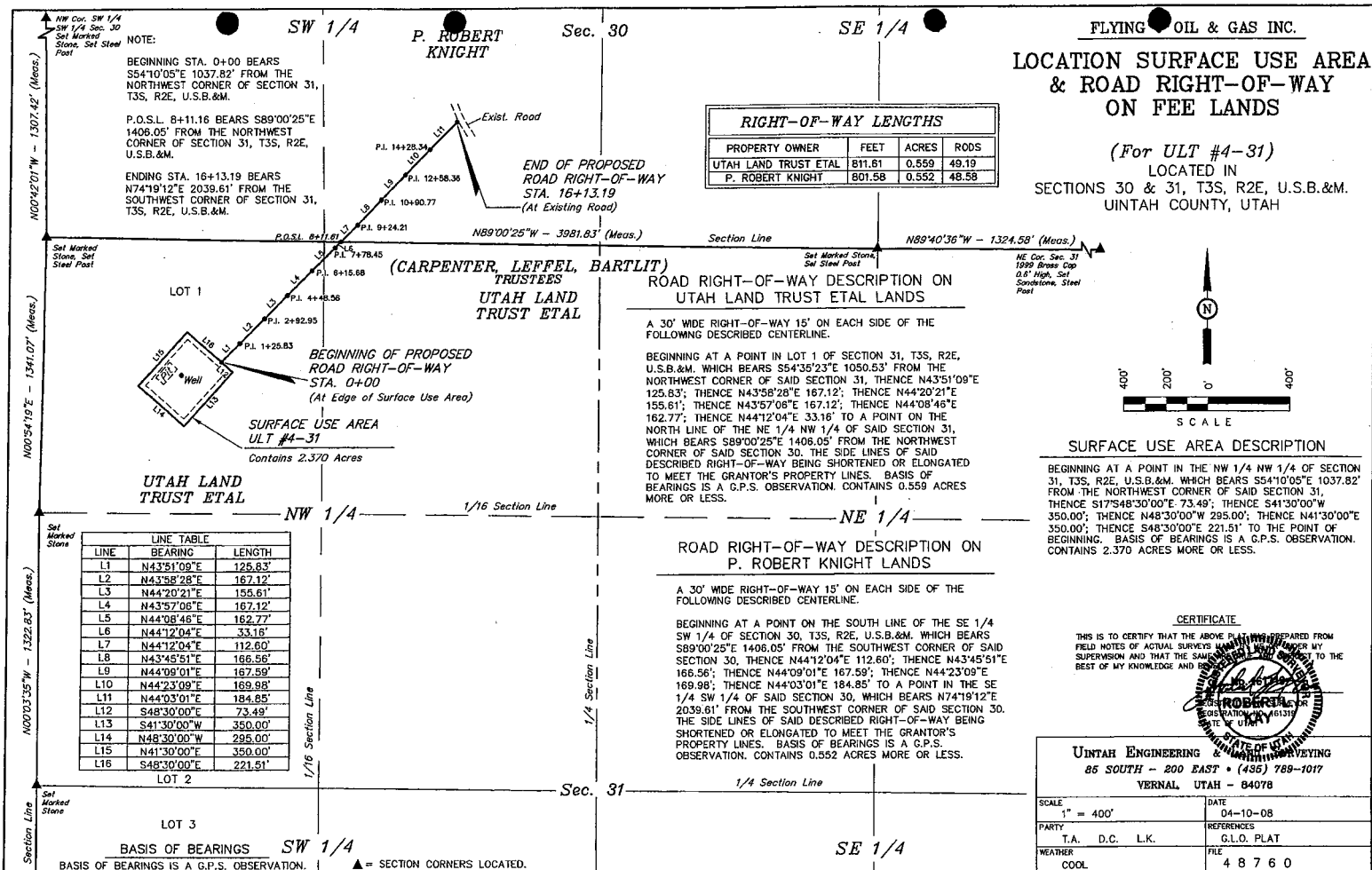
\* NOTE:  
FILL QUANTITY INCLUDES  
5% FOR COMPACTION

EXCESS MATERIAL	= 3,380 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,380 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.

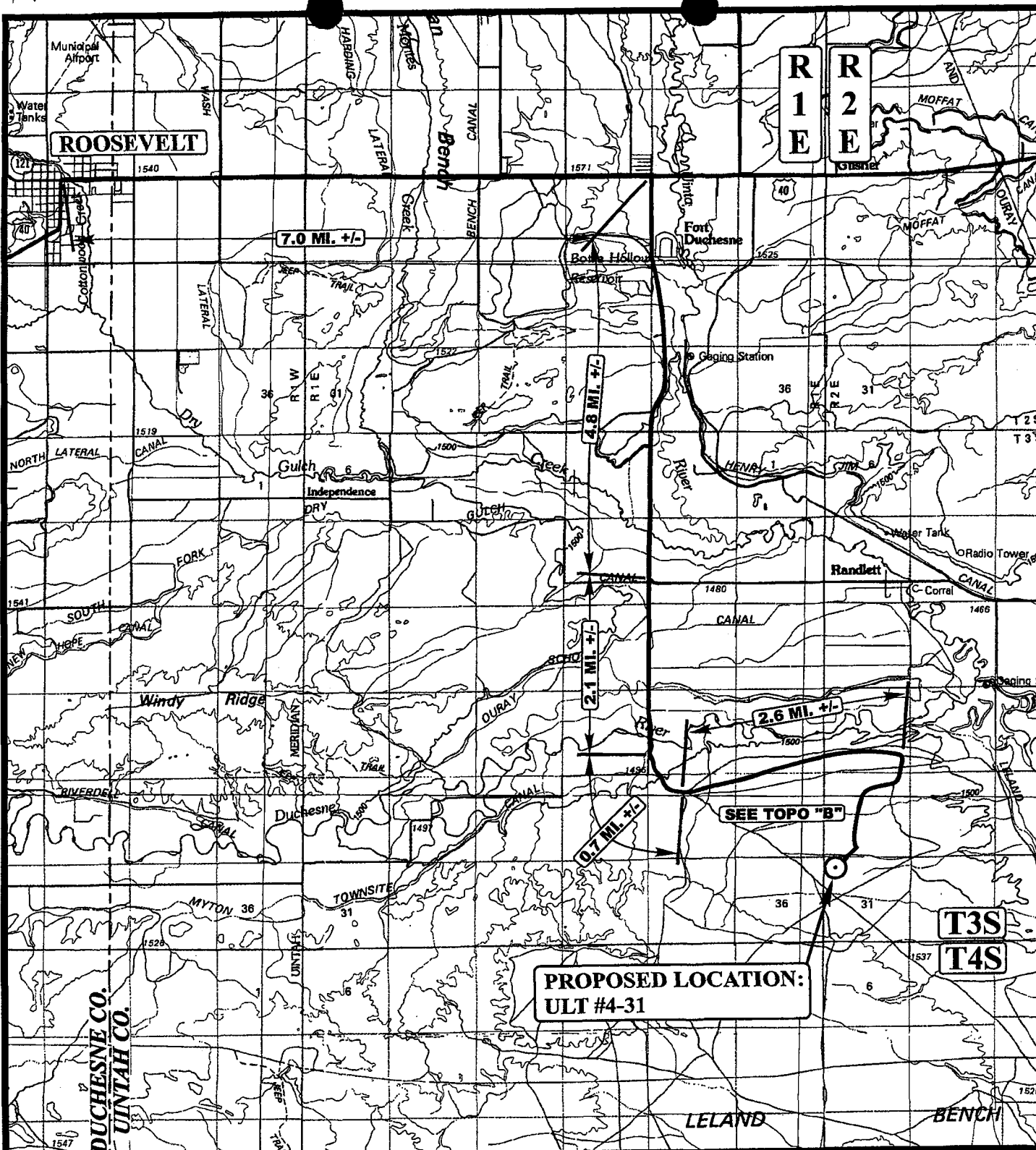
UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017











**PROPOSED LOCATION:**  
ULT #4-31

# **LEGEND:**

○ PROPOSED LOCATION

N

**FLYING J OIL & GAS INC.**

ULT #4-31

SECTION 31, T3S, R2E, U.S.B.&M.  
660' FNL 660' FWL



**Utah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

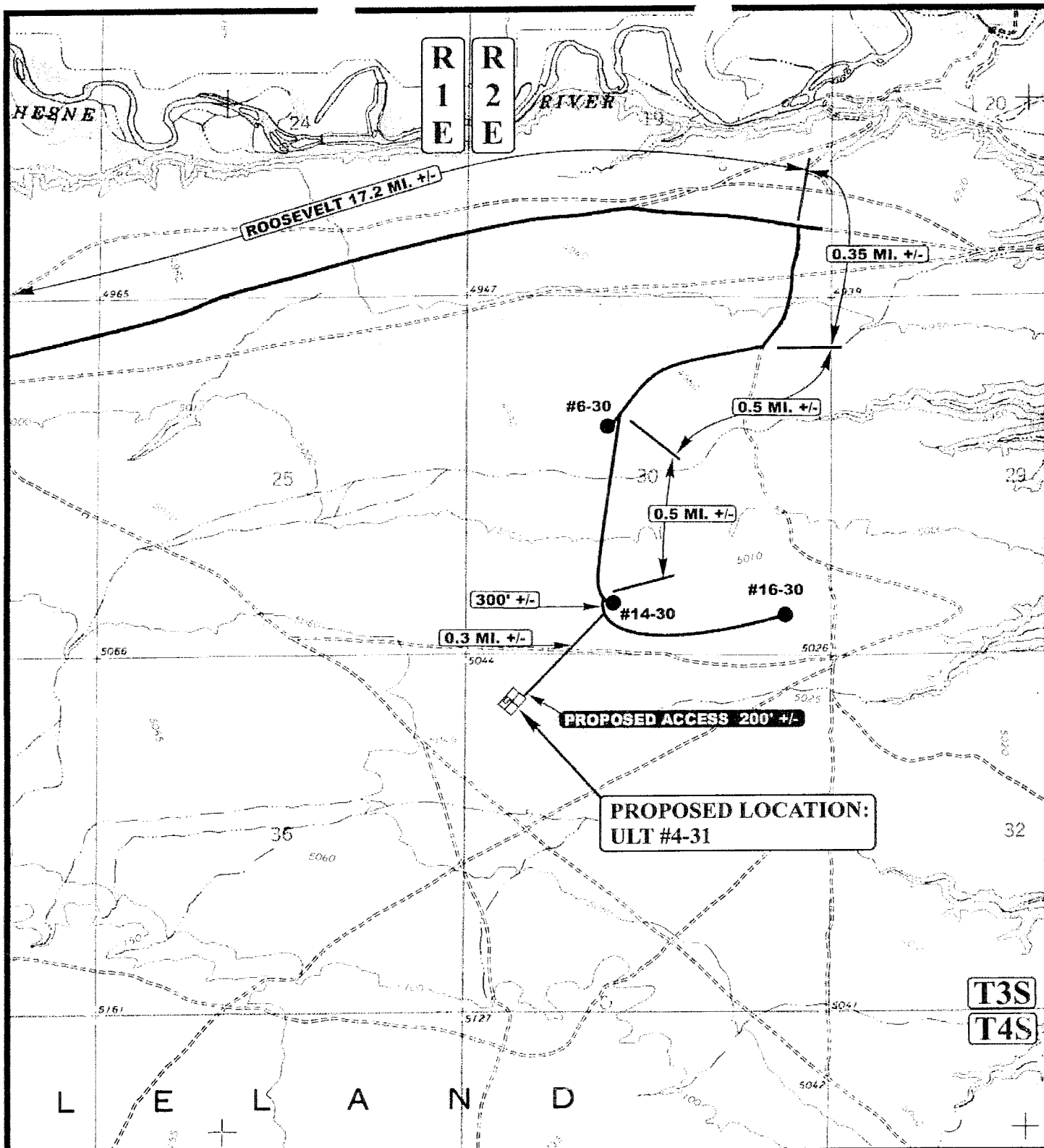
**TOPOGRAPHIC**  
MAP

4 8 08  
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: GL. REVISED: 00-00-00

**A**  
TOPO





# LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK NEEDS UPGRADED



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



## FLYING J OIL & GAS INC.

ULT #4-31  
 SECTION 31, T3S, R2E, U.S.B.&M.  
 660' FNL 660' FWL

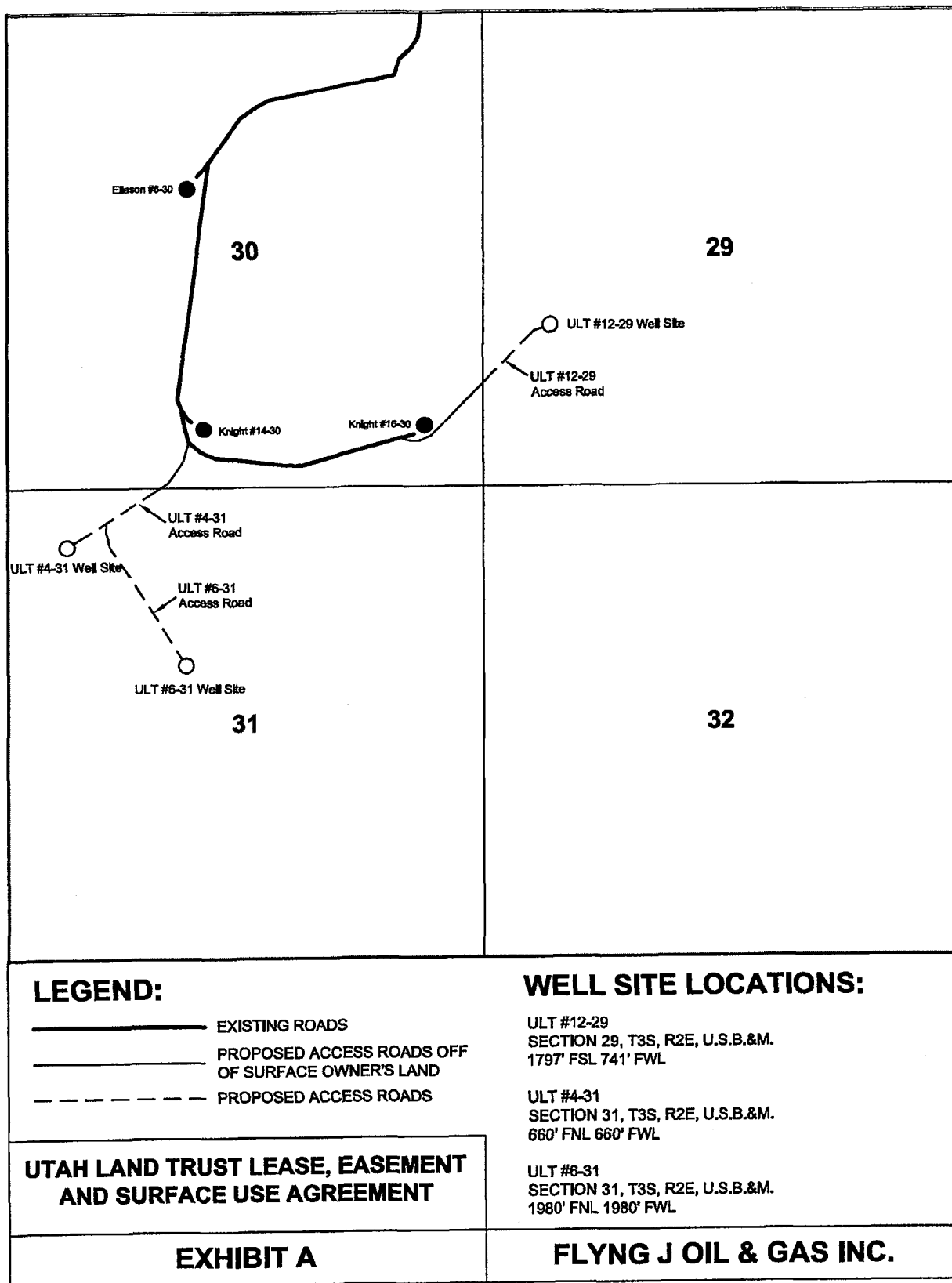
TOPOGRAPHIC  
 MAP

4 8 08  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: GL. REVISED: 00-00-00

**B**  
 TOPO



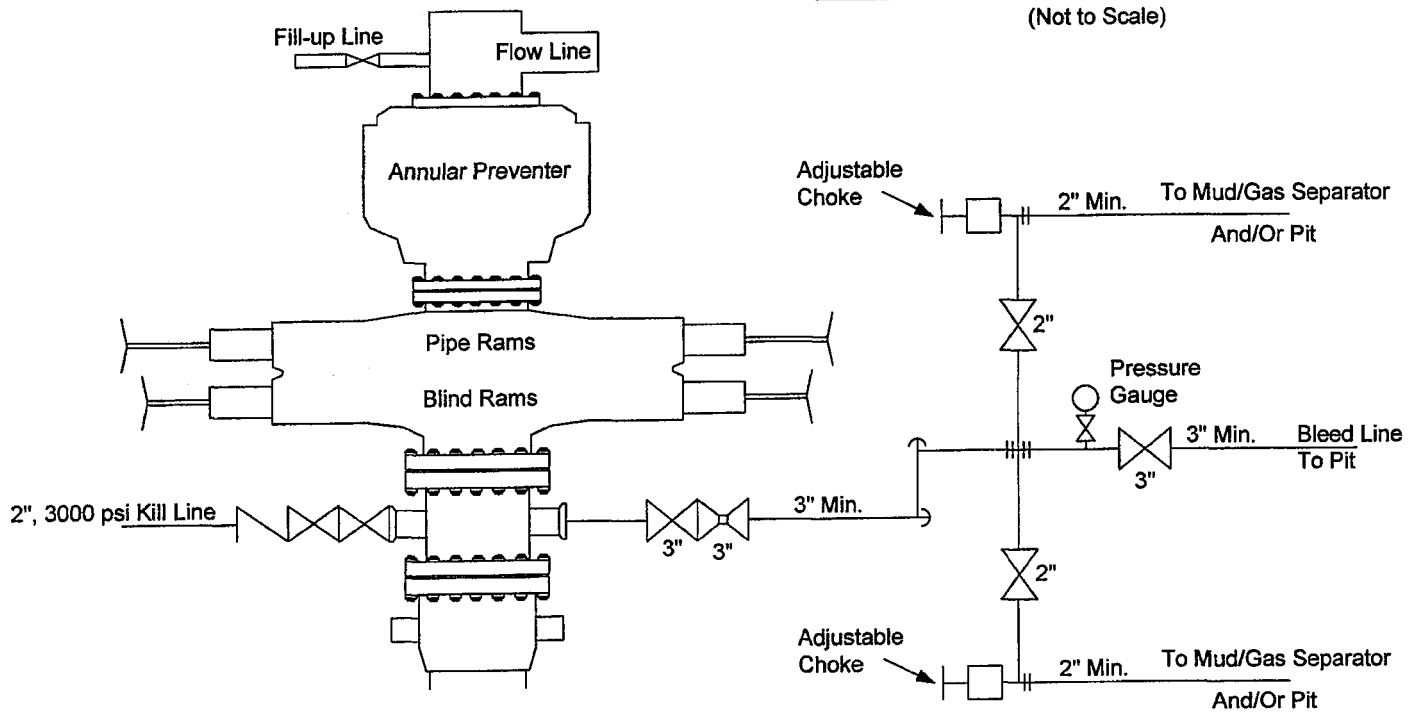




Flying J Oil & Gas Inc.

ULT 4-31  
3000 PSI BOP Schematic

(Not to Scale)





**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/17/2008

API NO. ASSIGNED: 43-047-40017

WELL NAME: ULT 4-31

OPERATOR: FLYING J OIL & GAS INC ( N8080 )

CONTACT: JORDAN NELSON

PHONE NUMBER: 801-296-7700

**PROPOSED LOCATION:**

NWNW 31 030S 020E

SURFACE: 0660 FNL 0660 FWL

BOTTOM: 0660 FNL 0660 FWL

COUNTY: UINTAH

LATITUDE: 40.18415 LONGITUDE: -109.8185

UTM SURF EASTINGS: 600586 NORTHINGS: 4448655

FIELD NAME: WILDCAT ( 1 )

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DND	6/11/08
Geology		
Surface		

LEASE TYPE: 4 - Fee

LEASE NUMBER: FEE

SURFACE OWNER: 4 - Fee

PROPOSED FORMATION: DGCRK

COALBED METHANE WELL? NO

**RECEIVED AND/OR REVIEWED:**

☒ Plat  
☒ Bond: Fed[] Ind[] Sta[] Fee[]  
(No. 08757276 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. 43-11273 )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

**LOCATION AND SITING:**

     R649-2-3.  
Unit: \_\_\_\_\_  
     R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
     R649-3-3. Exception  
☒ Drilling Unit  
Board Cause No: 142-03  
Eff Date: 9-26-2007  
Siting: 460' fr drl u b drg 920' fr other wells.  
     R649-3-11. Directional Drill

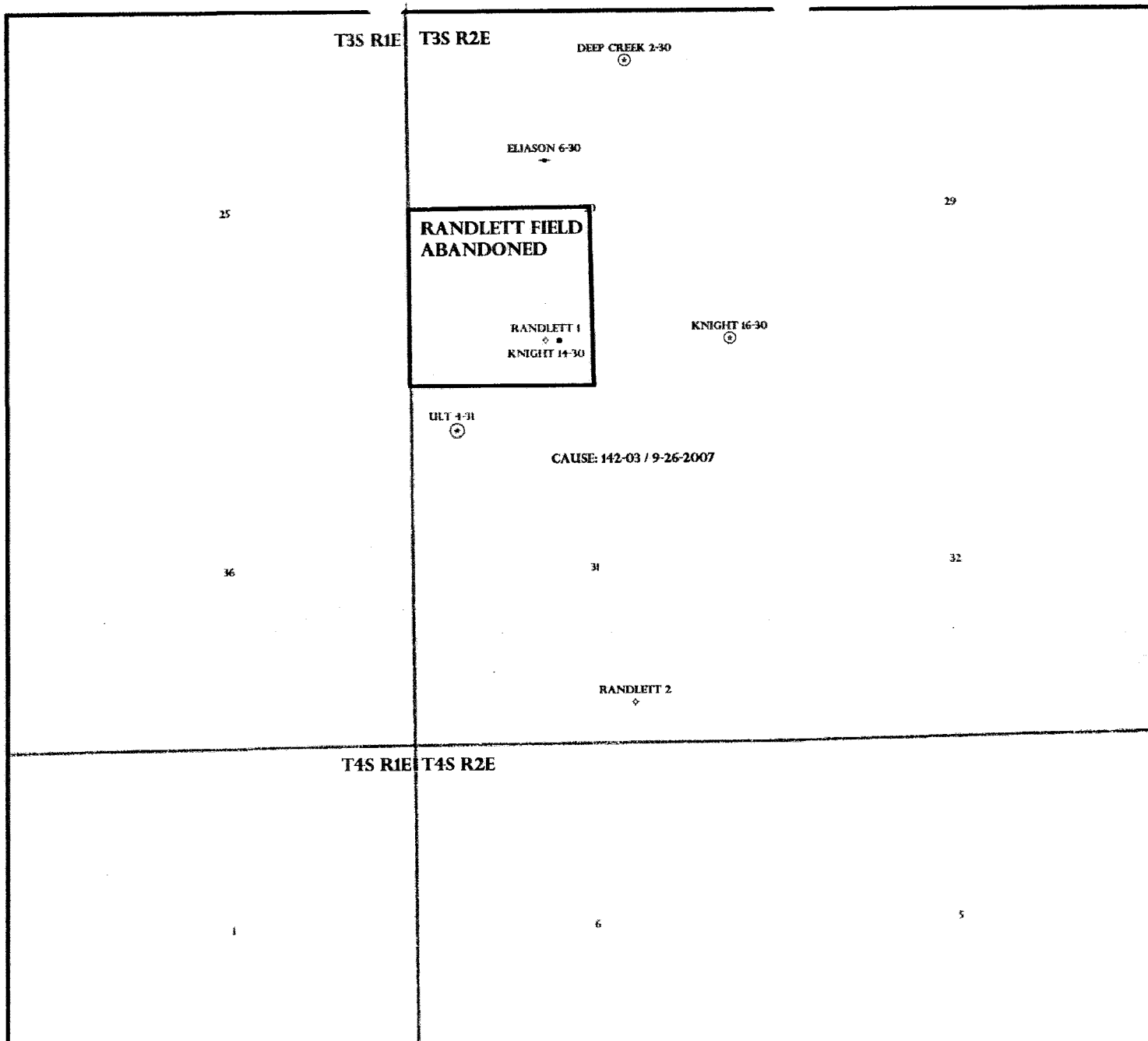
COMMENTS: \_\_\_\_\_

*Hand Permit (05-14-08)*

STIPULATIONS: \_\_\_\_\_

*1- STATEMENT OF BASIS*





OPERATOR: FLYING J O&G INC (N8080)

SEC: 31 T.3S R. 2E

FIELD: WILDCAT (001)

COUNTY: Uintah

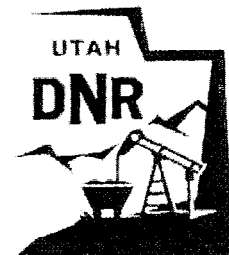
CAUSE: 142-03 / 9-26-2007

**Field Status**  
☐ ABANDONED  
☐ ACTIVE  
☐ COMBINED  
☐ INACTIVE  
☐ PROPOSED  
☐ STORAGE  
☐ TERMINATED

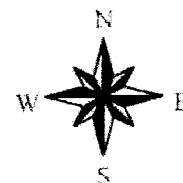
**Unit Status**  
☐ EXPLORATORY  
☐ GAS STORAGE  
☐ NF PP OIL  
☐ NF SECONDARY  
☐ PENDING  
☐ PI OIL  
☐ PP GAS  
☐ PP GEOTHERML  
☐ PP OIL  
☐ SECONDARY  
☐ TERMINATED

**Wells Status**

☐ GAS INJECTION  
☐ GAS STORAGE  
☐ LOCATION ABANDONED  
☐ NEW LOCATION  
☐ PLUGGED & ABANDONED  
☐ PRODUCING GAS  
☐ PRODUCING OIL  
☐ SHUT-IN GAS  
☐ SHUT-IN OIL  
☐ TEMP. ABANDONED  
☐ TEST WELL  
☐ WATER INJECTION  
☐ WATER SUPPLY  
☐ WATER DISPOSAL  
☐ DRILLING



OIL, GAS & MINING



PREPARED BY: DIANA MASON  
 DATE: 25-APRIL-2008



# Application for Permit to Drill

## Statement of Basis

5/19/2008

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
753	43-047-40017-00-00		OW	P	No
Operator	FLYING J OIL & GAS INC	Surface Owner-APD			
Well Name	ULT 4-31	Unit			
Field	WILDCAT	Type of Work			
Location	NWNW 31 3S 2E U 660 FNL 660 FWL	GPS Coord (UTM) 600586E 4448655N			

### Geologic Statement of Basis

Flying J proposes to set 53' of conductor pipe and 763' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 2,000'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 31. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The Uinta Formation is not expected to be a significant source of water in this area. The production casing cement should be brought up above the base of the moderately saline water in order to isolate it from fresher waters up hole.

Brad Hill  
APD Evaluator

5/19/2008  
Date / Time

### Surface Statement of Basis

The general area is on Leland Bench, which is located about 8 miles southeast of Ft. Duchesne, Uintah County, Utah. Broad flats with low growing desert shrub type vegetation characterize Leland Bench. A few rolling hills and slopes leading to higher flats occur. No springs, seeps or flowing streams are known to occur in the area. The Duchesne River is approximately 2 miles to the north. All lands in the immediate are privately owned. Ute Tribal lands lie to the northeast and southwest.

Access to the proposed well site is by State Of Utah and Uintah County roads and existing or proposed oilfield development roads. Distance from Roosevelt, Utah is approximately 18.9 miles. Approximately 0.3 miles of low standard new road will be constructed to reach the location.

The proposed ULT 4-31 oil well is on a flat with a slight slope to the southeast. A rise or higher level occurs approximately 1 mile to the south. No swales or drainages occur in the immediate area. Both the surface and minerals are privately owned. Gilbert Maggs, Utah Land Trust owns the surface. Mr. Maggs was contacted by telephone and invited to attend the pre-site visit. He said he would not attend. His brother-in-law Alan Smith had seen the site and relayed no concerns to him. A surface use agreement has been completed. The location appears to be a good site for constructing a pad, drilling and operating a well.

Floyd Bartlett  
Onsite Evaluator

5/14/2008  
Date / Time

### Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.



# **ON-SITE PREDRILL EVALUATION**

## **Utah Division of Oil, Gas and Mining**

**Operator** FLYING J OIL & GAS INC  
**Well Name** ULT 4-31  
**API Number** 43-047-40017-0 **APD No** 753 **Field/Unit** WILDCAT  
**Location:** 1/4,1/4 NWNW **Sec** 31 **Tw** 3S **Rng** 2E 660 FNL 660 FWL  
**GPS Coord (UTM)** 600584 4448665 **Surface Owner**

### **Participants**

Floyd Bartlett (DOGM) and Larry Rich (Flying J Oil and Gas Co.)

### **Regional/Local Setting & Topography**

The general area is on Leland Bench, which is located about 8 miles southeast of Ft. Duchesne, Uintah County, Utah. Broad flats with low growing desert shrub type vegetation characterize Leland Bench. A few rolling hills and slopes leading to higher flats occur. No springs, seeps or flowing streams are known to occur in the area. The Duchesne River is approximately 2 miles to the north. All lands in the immediate are privately owned. Ute Tribal lands lie to the northeast and southwest.

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### **Surface Use Plan**

#### **Current Surface Use**

Grazing  
Recreational  
Wildlife Habitat

#### **New Road**

Miles	Well Pad	Src Const Material	Surface Formation
0.3	Width 235 Length 300	Onsite	UNTA

**Ancillary Facilities** N

### **Waste Management Plan Adequate?**

### **Environmental Parameters**

**Affected Floodplains and/or Wetland** N

#### **Flora / Fauna**

Vegetation is a fair desert shrub-forb type. Main plants are horse-brush, Gardner salt-brush, broom snakeweed, bud sagebrush, black sagebrush, cheatgrass, curly mesquite grass, prickly pear, globe mallow, squirrel tail and annual forbs.

Because of the lack of water and cover the area is not rich in fauna. Antelope, coyotes, prairie dogs and small



mammals and rodents occur. Some shrub dependent birds may occur but were not observed. Historically but not currently sheep grazed the area.

#### **Soil Type and Characteristics**

Soils are a deep sandy loam with little rock.

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diversion Required** N

**Berm Required?** N

**Erosion Sedimentation Control Required?** N

**Paleo Survey Run?** N    **Paleo Potential Observed?** N    **Cultural Survey Run?** N    **Cultural Resources?**

#### **Reserve Pit**

##### **Site-Specific Factors**

##### **Site Ranking**

<b>Distance to Groundwater (feet)</b>	100 to 200	5
<b>Distance to Surface Water (feet)</b>	>1000	0
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>	300 to 1320	10
<b>Native Soil Type</b>	Mod permeability	10
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>	<10	0
<b>Affected Populations</b>	<10	0
<b>Presence Nearby Utility Conduits</b>	Not Present	0
<b>Final Score</b>		30
		1 <b>Sensitivity Level</b>

##### **Characteristics / Requirements**

A 50' x 100' x 8' deep reserve pit is planned in a cut on the southwest corner of the location. A liner with a minimum thickness of 12-mils is required. A sub-liner may not be needed because of the lack of rock in the area.

**Closed Loop Mud Required?** N    **Liner Required?** Y    **Liner Thickness** 12    **Pit Underlayment Required?**

#### **Other Observations / Comments**

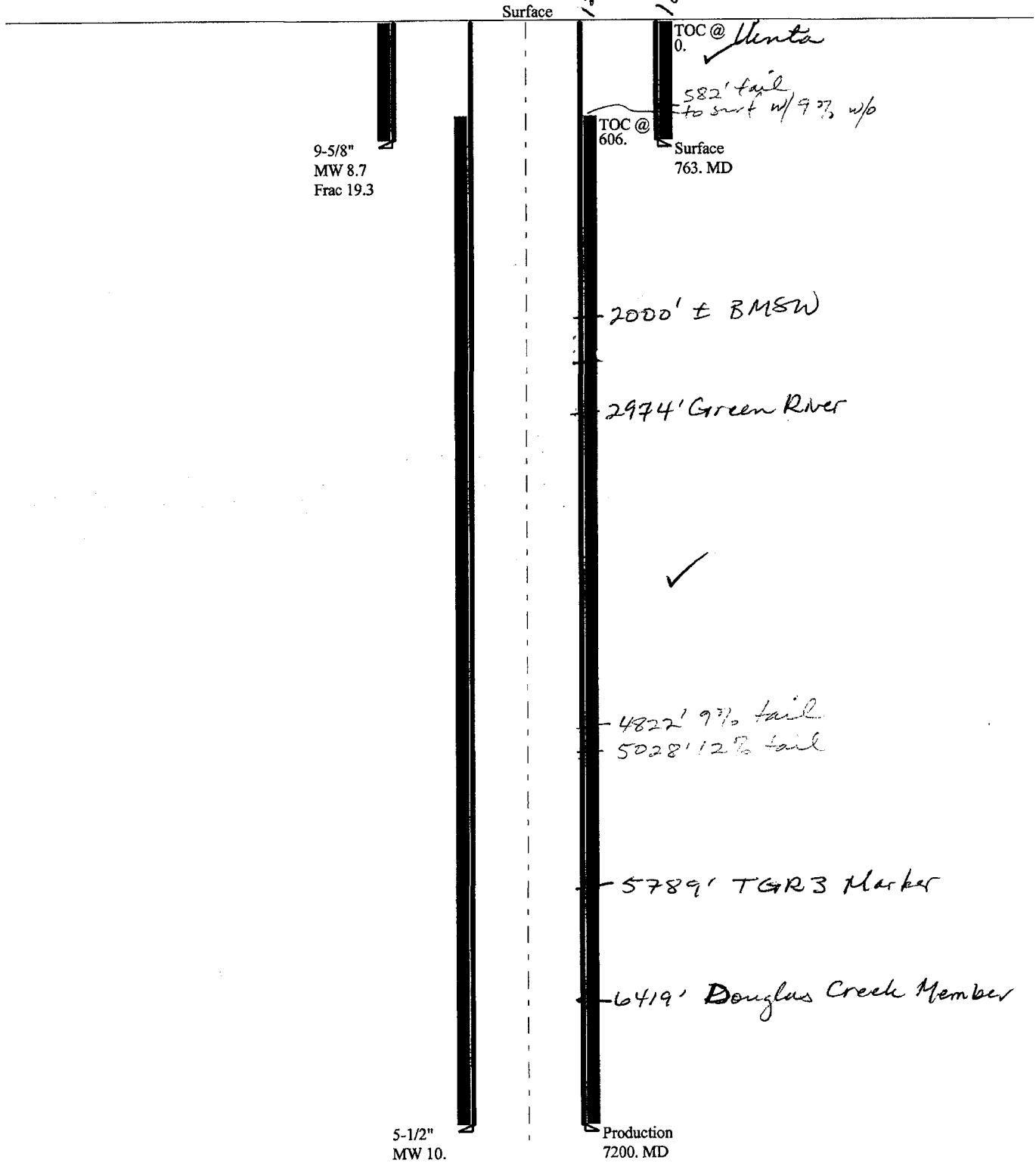
Floyd Bartlett  
Evaluator

5/14/2008  
Date / Time



# 2008-06 Flying J Ult 4-31

## Casing Schematic





Well name:

**2008-06 Flying J Ult 4-31**Operator: **Flying J Oil & Gas, Inc.**String type: **Surface**

Project ID:

**43-047-40017**Location: **Uintah Co.****Design parameters:****Collapse**

Mud weight: 8.700 ppg

Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No

Surface temperature: 65 °F

Bottom hole temperature: 76 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 185 ft

Cement top: Surface

**Burst**

Max anticipated surface pressure:

671 psi

Internal gradient: 0.120 psi/ft

Calculated BHP 763 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.80 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Tension is based on air weight.

Neutral point: 665 ft

**Non-directional string.****Re subsequent strings:**

Next setting depth: 7,200 ft

Next mud weight: 10.000 ppg

Next setting BHP: 3,740 psi

Fracture mud wt: 19.250 ppg

Fracture depth: 763 ft

Injection pressure: 763 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	763	9.625	36.00	J-55	ST&C	763	763	8.796	331.2
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	345	2020	5.858	763	3520	4.61	27	394	14.34 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Minerals

Phone: 810-538-5357

Date: June 4, 2008  
Salt Lake City, Utah**ENGINEERING STIPULATIONS: NONE**

Collapse strength is based on the Westcott, Dunlop &amp; Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 763 ft, a mud weight of 8.7 ppg. The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*



Well name:

**2008-06 Flying J Ult 4-31**Operator: **Flying J Oil & Gas, Inc.**String type: **Production**

Project ID:

**43-047-40017**Location: **Uintah Co.****Design parameters:****Collapse**Mud weight: 10.000 ppg  
Design is based on evacuated pipe.**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**H2S considered? No  
Surface temperature: 65 °F  
Bottom hole temperature: 166 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 368 ft

Cement top: 606 ft

**Burst**Max anticipated surface pressure: 2,156 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 3,740 psi

No backup mud specified.

**Tension:**8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)**Non-directional string.**Tension is based on air weight.  
Neutral point: 6,108 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	7200	5.5	17.00	K-55	LT&C	7200	7200	4.767	939.8
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3740	4910	1.313	3740	5320	1.42	122	272	2.22 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Minerals

Phone: 810-538-5357

Date: June 4, 2008  
Salt Lake City, Utah**ENGINEERING STIPULATIONS: NONE**

Collapse strength is based on the Westcott, Dunlop &amp; Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 7200 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*



## BOPE REVIEW

Flying J Ult 4-31 API 43-047-40017

## INPUT

Well Name

Casing Size (")

Setting Depth (TVD)

Previous Shoe Setting Depth (TVD)

Max Mud Weight (ppg)

BOPE Proposed (psi)

Casing Internal Yield (psi)

Operators Max Anticipated Pressure (psi)

Flying J Ult 4-31 API 43-047-40017

String 1

String 2

9 5/8

5 1/2

763

7200

53

763

8.7

10

0

3000

3520

6320

3096

8.3 ppg

→ expect 8.3 ppg in Transition

## Calculations

String 1

9 5/8 "

Max BHP [psi]

.052\*Setting Depth\*MW =

345

BOPE Adequate For Drilling And Setting Casing at Depth?

MASP (Gas) [psi]

Max BHP-(0.12\*Setting Depth) =

254

NO

MASP (Gas/Mud) [psi]

Max BHP-(0.22\*Setting Depth) =

177

NO - OK

\*Can Full Expected Pressure Be Held At Previous Shoe?

Pressure At Previous Shoe

Max BHP-.22\*(Setting Depth - Previous Shoe Depth) =

189

NO

Reasonable

Required Casing/BOPE Test Pressure

763 psi

\*Max Pressure Allowed @ Previous Casing Shoe =

53 psi

\*Assumes 1psi/ft frac gradient

## Calculations

String 2

5 1/2 "

Max BHP [psi]

.052\*Setting Depth\*MW =

3744

BOPE Adequate For Drilling And Setting Casing at Depth?

MASP (Gas) [psi]

Max BHP-(0.12\*Setting Depth) =

2880

YES

MASP (Gas/Mud) [psi]

Max BHP-(0.22\*Setting Depth) =

2160

YES ✓

\*Can Full Expected Pressure Be Held At Previous Shoe?

Pressure At Previous Shoe

Max BHP-.22\*(Setting Depth - Previous Shoe Depth) =

2328

NO

Known well - program used in area

Required Casing/BOPE Test Pressure

3000 psi

\*Max Pressure Allowed @ Previous Casing Shoe =

763 psi

\*Assumes 1psi/ft frac gradient





JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

June 16, 2008

Flying J Oil & Gas Inc.  
333 W Center St.  
North Salt Lake, UT 84054

Re: ULT 4-31 Well, 660' FNL, 660' FWL, NW NW, Sec. 31, T. 3 South, R. 2 East,  
Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-40017.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor





Operator: Flying J Oil & Gas Inc.  
Well Name & Number ULT 4-31  
API Number: 43-047-40017  
Lease: Fee

Location: NW NW Sec. 31 T. 3 South R. 2 East

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
- 24 hours prior to spudding the well – contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
- Any changes to the approved drilling plan – contact Dustin Doucet

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at: (801) 538-5338 office (801) 942-0871 home
- Carol Daniels at: (801) 538-5284 office
- Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

#### 4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: Flying J Oil & Gas Inc Operator Account Number: N 8080  
Address: PO Drawer 130  
city Roosevelt  
state UT zip 84066 Phone Number: (435) 722-5166

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304740017	ULT 4-31		NWNW	31	3S	2E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	16985	7/16/2008		7/31/08		
Comments: <u>DGCRK</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Geannine Robb

Name (Please Print)

Signature

Admin Assistant

Title

7/17/2008

Date

RECEIVED

JUL 18 2008

DIV. OF OIL, GAS & MINING



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<p align="center"><b>SUNDRY NOTICE AND REPORTS ON WELLS</b></p> <p><small>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.</small></p>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>Fee</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>NA</b>
		7. UNIT or CA AGREEMENT NAME: <b>NA</b>
		8. WELL NAME and NUMBER <b>ULT 4-31</b>
1. TYPE OF WELLS <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		9. API NUMBER: <b>4304740017</b>
2. NAME OF OPERATOR <b>Flying J Oil &amp; Gas Inc</b>		10. FIELD AND POOL, OR WILDCAT <b>Wildcat</b>
3. ADDRESS OF OPERATOR <b>PO Drawer 130 Roosevelt, Utah 84066</b>	PHONE NUMBER <b>435-722-5166</b>	

4. LOCATION OF WELLS  
FOOTAGES AT SURFACE:      660 FNL 660 FWL      COUNTY:      Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:      NWNW Sec 31 T3S R2E      STATE:      UTAH

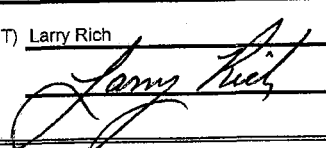
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE-DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER      Weekly Progress Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS, Clearly show all pertinent details including dates, depths, volumes, etc.

**Weekly Progress Report   July 13, 2008 - July 19, 2008**

Spud well on July 16, 2008  
Drill 40' - 30" hole. Set and cement 40'-20" conductor casing. Drill rat and mouse hole.  
Set 9 5/8" surface casing  
Drill 12 1/4" hole, TD 780'. Run 18 jts 9 5/8" 36# J55  
Shoe at 753.90, float collar at 720.09'. Cement with 375 sacks Premium G  
with 2% CaCl<sub>2</sub>, 1/4# per sack flocele, 1.15 yield, 15.8 PPG, 18 bbls of cement at surface.  
Wait on drilling rig.

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**JUL 23 2008**  
**DIV. OF OIL, GAS & MINING**

NAME (PLEASE PRINT) <u>Larry Rich</u>	TITLE <u>Production Superintendent</u>
SIGNATURE 	DATE <u>July 21, 2008</u>

(This space for State use only)



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICE AND REPORTS ON WELLS</b> <small>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.</small>		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
		6. IF INIDAN, ALLOTTEE OR TRIBE NAME: NA
		7. UNIT or CA AGREEMENT NAME: NA
		8. WELL NAME and NUMBER ULT 4-31
1. TYPE OF WELLS <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		9. API NUMBER: 4304740017
2. NAME OF OPERATOR Flying J Oil & Gas Inc		10. FIELD AND POOL, OR WILDCAT Wildcat
3. ADDRESS OF OPERATOR PO Drawer 130 Roosevelt, Utah 84066		PHONE NUMBER 435-722-5166

4. LOCATION OF WELLS  
FOOTAGES AT SURFACE: 660 FNL 660 FWL COUNTY: Uintah  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW Sec 31 T3S R2E STATE: UTAH

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE-DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER Weekly Progress Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS, Clearly show all pertinent details including dates, depths, volumes, etc.

**Weekly Progress Report July 20, 2008 - July 26, 2008**

Wait on drilling rig.

NAME (PLEASE PRINT) Larry Rich  
SIGNATURE 

TITLE Production Superintendent  
DATE August 4, 2008

(This space for State use only)

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DIV. OF OIL, GAS & MINING



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

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4. LOCATION OF WELLS  
FOOTAGES AT SURFACE: 660 FNL 660 FWL COUNTY: Uintah  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW Sec 31 T3S R2E STATE: UTAH

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<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS, Clearly show all pertinent details including dates, depths, volumes, etc.

**Weekly Progress Report July 27, 2008 - August 2, 2008**

Move drilling rig Pioneer #59 onto location 7/29/08.  
Drill from 767' - 5358'

NAME (PLEASE PRINT) Larry Rich  
SIGNATURE 

TITLE Production Superintendent  
DATE August 4, 2008

(This space for State use only)

**RECEIVED**  
**AUG 05 2008**  
**DIV. OF OIL, GAS & MINING**





**FLYING J OIL & GAS INC.**

333 WEST CENTER STREET • NORTH SALT LAKE, UTAH 84054

PHONE (801) 296-7700 • FAX (801) 296-7888

August 5, 2008

Ms. Diana Mason  
Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

RE: Deep Creek 2-31, NWNE Sec 31, T3S, R2E  
ULT 4-31, NWNW Sec. 31, T3S, R2E  
Sundry Notices and Reports on Wells

Dear Ms. Mason:

Enclosed are sundry notices for the Deep Creek 2-31 and ULT 4-31 wells along with new surveys showing the new locations of the wellheads and new surveyed footages. The wellhead locations were moved to accommodate the preferred drilling rig layout.

If you need additional information, please call me at 801-296-7772.

Sincerely,

Jordan R. Nelson  
Petroleum Engineer

Subsidiary - BIG WEST OIL & GAS INC.

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AUG 05 2008  
DIV. OF OIL, GAS & MINING



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
2. NAME OF OPERATOR: Flying J Oil & Gas Inc		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: 333 W Center St CITY North Salt lake STATE UT ZIP 84054		7. UNIT or CA AGREEMENT NAME: NA
4. LOCATION OF WELL FOOTAGES AT SURFACE: 663' FNL 664' FWL		8. WELL NAME and NUMBER: ULT 4-31
PHONE NUMBER: (801) 296-7700		9. API NUMBER: 4304740017
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 31 T3S R2E U		10. FIELD AND POOL, OR WILDCAT: Wildcat
COUNTY: UINTAH		STATE: UTAH

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

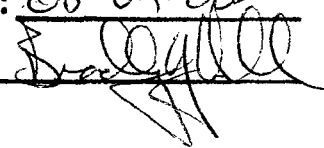
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____  <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Change Location of Wellhead</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

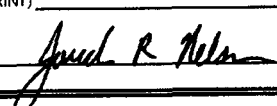
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The wellhead location has been moved to 663' FNL 664' FWL due to the layout of the drilling rig being used. Attached are new surveys showing the new wellhead location.

Approved by the  
Utah Division of  
Oil, Gas and Mining

600587X  
4448654Y  
  
40.184136  
-109.818477

Date: 08-07-08  
By: 

NAME (PLEASE PRINT) <u>Jordan R. Nelson</u>	TITLE <u>Petroleum Engineer</u>
SIGNATURE 	DATE <u>8/5/2008</u>

(This space for State use only)

**COPY SENT TO OPERATOR**

Date: 8.11.2008  
Initials: KS

(5/2000)

(See Instructions on Reverse Side)

**RECEIVED**

**AUG 05 2008**

DIV. OF OIL, GAS & MINING



# T3S, R2E, U.S.B.&M.

## FLYING J OIL & GAS INC.

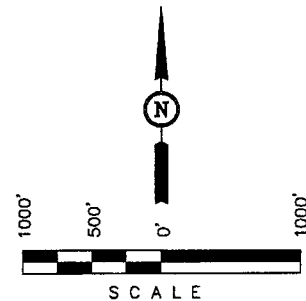
Well location, (AS-BUILT) ULT #4-31, located as shown in the NW 1/4 NW 1/4 of Section 31, T3S, R2E, U.S.B.&M., Uintah County, Utah.

### BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION 30, T3S, R2E, U.S.B.&M. TAKEN FROM THE RANDETT, UTAH, QUADRANGLE, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4939 FEET.

### BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



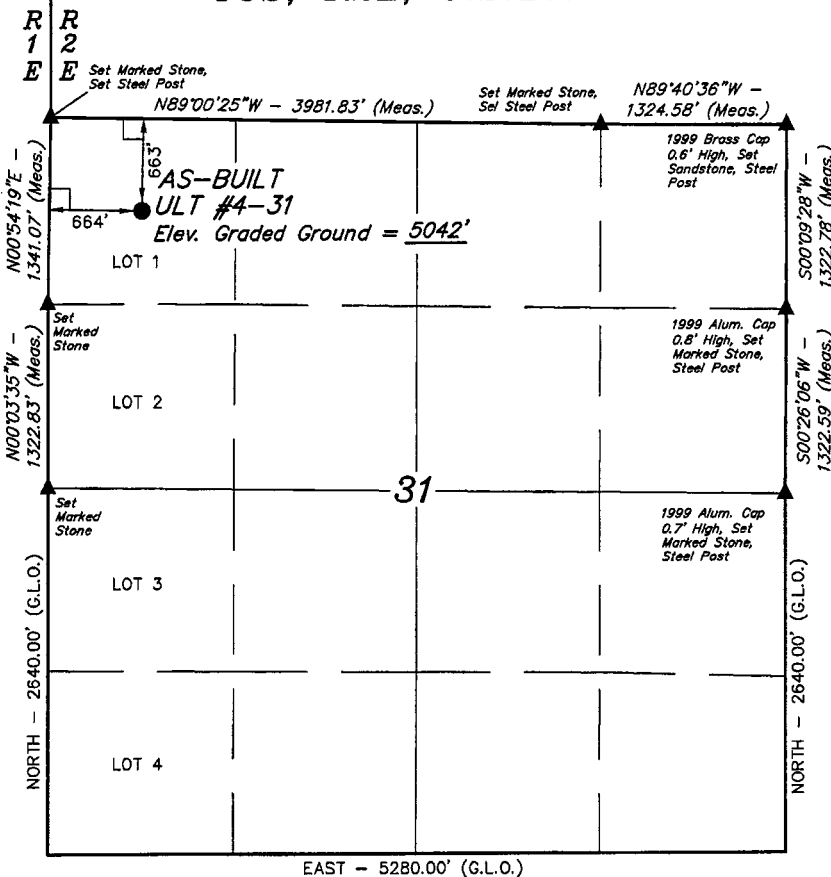
### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

REVISED: 08-04-08 S.L.

**UINTAH ENGINEERING & LAND SURVEYING**  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017



### LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(AUTONOMOUS NAD 83)  
LATITUDE = 40°11'02.96" (40.184156)  
LONGITUDE = 109°49'09.20" (109.819222)  
(AUTONOMOUS NAD 27)  
LATITUDE = 40°11'03.10" (40.184194)  
LONGITUDE = 109°49'06.68" (109.818522)

SCALE	1" = 1000'	DATE SURVEYED:	04-04-08	DATE DRAWN:	04-10-08
PARTY	T.A. D.C. L.K.	REFERENCES	G.L.O. PLAT		
WEATHER	COOL	FILE	FLYING J OIL & GAS INC.		

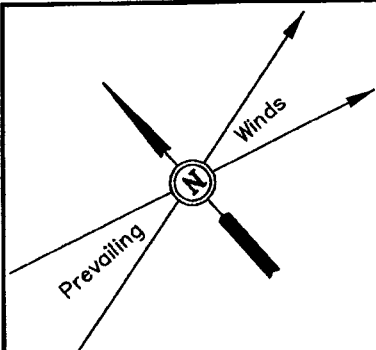


# FLYING J OIL & GAS INC.

## LOCATION LAYOUT FOR

ULT #4-31  
SECTION 31, T3S, R2E, U.S.B.&M.  
663' FNL 664' FWL

SCALE: 1" = 50'  
DATE: 04-10-08  
DRAWN BY: L.K.  
REVISED: 08-04-08 S.L.



Proposed Access Road

Approx.  
Top of  
Cut Slope

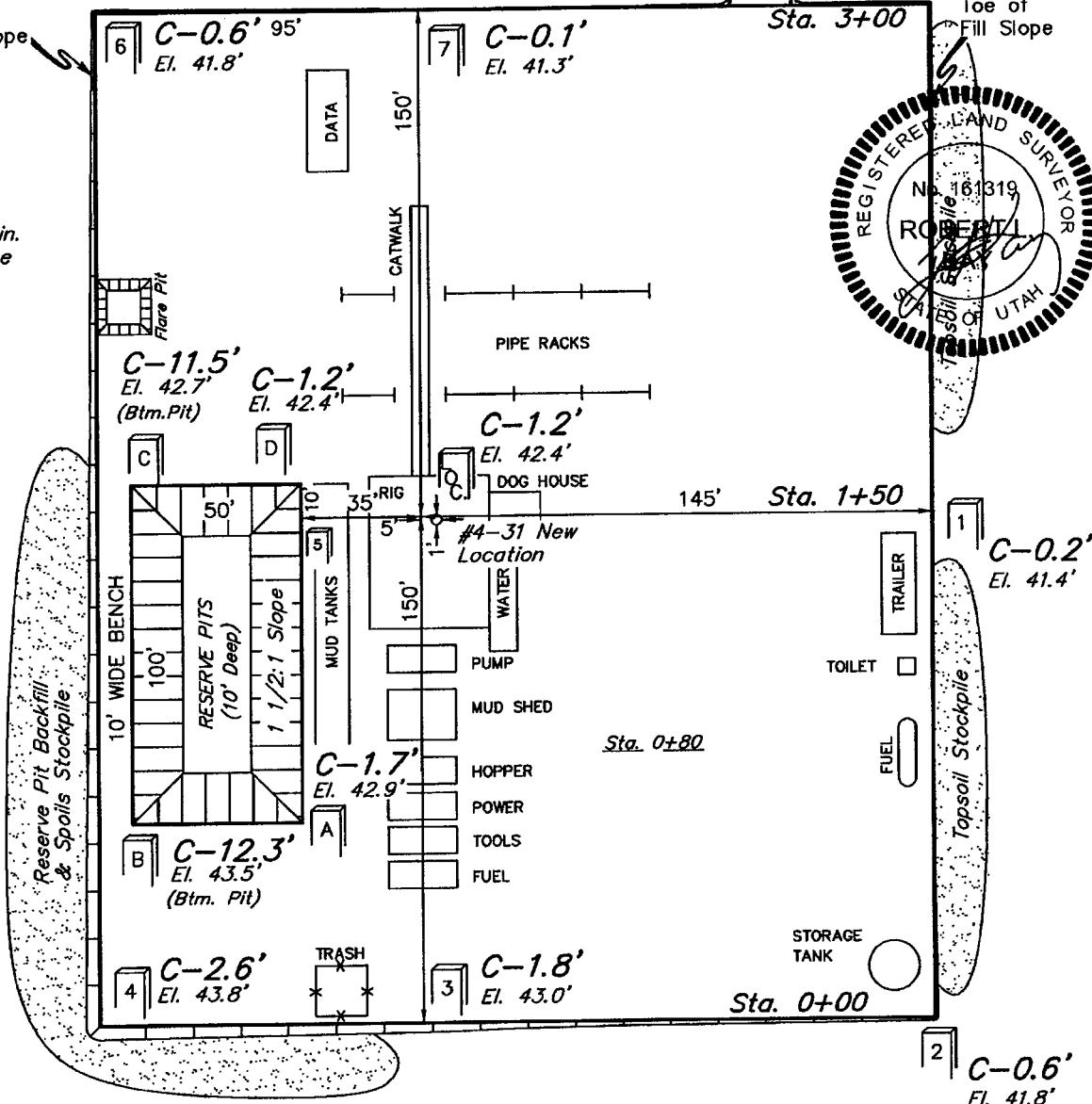
F-0.5'  
El. 40.7'

Approx.  
Toe of  
Fill Slope

### NOTE:

Flare Pit is to  
be located a min.  
of 100' from the  
Well Head.

Total Pit Capacity  
W/2' of Freeboard  
= 3,810 Bbls. ±  
Total Pit Volume  
= 1,130 Cu. Yds.



Elev. Ungraded Ground at Location Stake = 5042.4'  
Elev. Graded Ground at Location Stake = 5041.2'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<p align="center"><b>SUNDRY NOTICE AND REPORTS ON WELLS</b></p> <p align="center"><small>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.</small></p>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>Fee</b>
		6. IF INIDAN, ALLOTTEE OR TRIBE NAME: <b>NA</b>
		7. UNIT or CA AGREEMENT NAME: <b>NA</b>
		8. WELL NAME and NUMBER <b>ULT 4-31</b>
1. TYPE OF WELLS <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		9. API NUMBER: <b>4304740017</b>
2. NAME OF OPERATOR <b>Flying J Oil &amp; Gas Inc</b>		10. FIELD AND POOL, OR WILDCAT <b>Wildcat</b>
3. ADDRESS OF OPERATOR <b>PO Drawer 130 Roosevelt, Utah 84066</b>	PHONE NUMBER <b>435-722-5166</b>	

4. LOCATION OF WELLS  
FOOTAGES AT SURFACE:      660 FNL 660 FWL      COUNTY:      Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW Sec 31 T3S R2E      STATE:      UTAH

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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS, Clearly show all pertinent details including dates, depths, volumes, etc.

**Weekly Progress Report    August 3, 2008 - August 9, 2008**

Drill from 5358' - 6900'  
TD reached on 8/4/08  
Log well  
Run 160 jts 5 1/2" 17# N80 casing, total 6906'. Shoe at 6900', float at 6856', marker at 5787'.  
Cement casing with 375 sacks 11# lead, 340 sacks 13.4# tail  
Release rig at 1:am 8/8/08.  
Wait on completion.

NAME (PLEASE PRINT) <u>Larry Rich</u>	TITLE <u>Production Superintendent</u>
SIGNATURE <u></u>	DATE <u>August 11, 2008</u>

(This space for State use only)

**RECEIVED**

**AUG 13 2008**

**DIV. OF OIL, GAS & MINING**



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS, Clearly show all pertinent details including dates, depths, volumes, etc.

August 10, 2008 - August 31, 2008

Waiting on completion

NAME (PLEASE PRINT) Geannine Robb

TITLE Administrative Assistant

SIGNATURE

DATE October 31, 2008

(This space for State use only)



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

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PHONE NUMBER 435-722-5166	8. WELL NAME and NUMBER ULT 4-31
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	10. FIELD AND POOL, OR WILDCAT Wildcat

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<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS, Clearly show all pertinent details including dates, depths, volumes, etc.

September 1, 2008 - September 30, 2008

Waiting on completion

NAME (PLEASE PRINT) Geannine Robb

TITLE Administrative Assistant

SIGNATURE

DATE October 31, 2008

(This space for State use only)

(5/2000)

RECEIVED  
NOV 10 2008  
DIV. OF OIL, GAS & MINING



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

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1. TYPE OF WELLS <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. WELL NAME and NUMBER ULT 4-31
2. NAME OF OPERATOR Flying J Oil & Gas Inc		9. API NUMBER: 4304740017
3. ADDRESS OF OPERATOR PO Drawer 130 Roosevelt, Utah 84066	PHONE NUMBER 435-722-5166	10. FIELD AND POOL, OR WILDCAT Wildcat

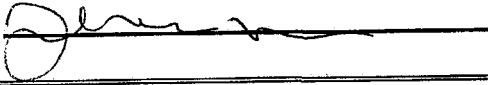
4. LOCATION OF WELLS  
FOOTAGES AT SURFACE: 660 FNL 660 FWL COUNTY: Uintah  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW Sec 31 T3S R2E STATE: UTAH

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE-DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER Monthly Drilling Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS, Clearly show all pertinent details including dates, depths, volumes, etc.

October 1, 2008 - October 31, 2008

Waiting on completion

NAME (PLEASE PRINT) <u>Geannine Robb</u>	TITLE <u>Administrative Assistant</u>
SIGNATURE 	DATE <u>October 31, 2008</u>

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FORM 9

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
2. NAME OF OPERATOR: Flying J Oil & Gas Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: 333 W Center St CITY North Salt Lake STATE UT ZIP 84054		7. UNIT or CA AGREEMENT NAME: NA
4. LOCATION OF WELL FOOTAGES AT SURFACE: 663 FNL 664 FWL		8. WELL NAME and NUMBER: ULT 4-31
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 31 T3S R2E U		9. API NUMBER: 4304740017
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT: Wildcat
STATE: UTAH		

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Flying J Oil & Gas Inc. requests that new information received by the Utah Board of Oil, Gas and Mining about this well be held confidential.

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NAME (PLEASE PRINT) Jordan R. Nelson TITLE Petroleum Engineer  
SIGNATURE *Jordan R. Nelson* DATE 11/21/2008

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DIV. OF OIL, GAS &amp; MINING



# CONFIDENTIAL

FORM 9

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
Fee

## SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
NA

7. UNIT or CA AGREEMENT NAME:  
NA

8. WELL NAME and NUMBER  
ULT 4-31

9. API NUMBER:  
4304740017

10. FIELD AND POOL, OR WILDCAT  
Wildcat

1. TYPE OF WELLS

☒ Oil Well ☐ Gas Well ☐ Other

2. NAME OF OPERATOR

Flying J Oil & Gas Inc

3. ADDRESS OF OPERATOR

PO Drawer 130 Roosevelt, Utah 84066

PHONE NUMBER

435-722-5166

4. LOCATION OF WELLS

FOOTAGES AT SURFACE: <sup>3</sup>66<sup>4</sup> FNL 66<sup>4</sup> FWL

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW Sec 31 T3S R2E

STATE: UTAH

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATION	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER Monthly Drilling Report	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE-DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS, Clearly show all pertinent details including dates, depths, volumes, etc.

November 1, 2008 - November 23, 2008

11/1/08 - 11/6/08 Waiting on completion  
11/7/08 - 11/22/08 Completing well  
11/23/2008 First production

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NAME (PLEASE PRINT) Geannine Robb

TITLE Administrative Assistant

SIGNATURE

DATE November 24, 2008

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DIV. OF OIL, GAS & MINING



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STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

AMENDED REPORT  
(highlight changes)

FORM 8

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NO. Fee	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEPEN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RSVR. <input type="checkbox"/> OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA	
2. NAME OF OPERATOR Flying J Oil & Gas Inc.		7. UNIT or CA AGREEMENT NAME NA	
3. ADDRESS OF OPERATOR 333 W Center St North Salt Lake, Utah 84054		8. WELL NAME and NUMBER ULT 4-31	
PHONE NUMBER 801-296-7700		9. API NUMBER 43-047-40017	
4. LOCATION OF WELL (FOOTAGES) At surface 663 FNL 664 FWL At top prod. interval reported below Same At total depth Same		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW Sec 31 T3S R2E	
		12. COUNTY Uintah	13. STATE Utah
14. DATE SPUDDED 7/16/2008	15. DATE T.D. REACHED 8/4/2008	16. DATE COMPLETED 11/22/2008 ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>	
17. ELEVATIONS (DF, RKB, RT, GL): 5059' KB			
18. TOTAL DEPTH MD 6900' TVD	19. PLUG BACK T.D.: MD 6856' TVD	20. IF MULTIPLE COMPLETIONS, HOW MANY? NA	
21. DEPTH BRIDGE MD NA PLUG SET TVD			
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) Dipole Sonic Imager Mud Log Gamma Ray Cement Bond Log		23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy)	

## 24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO	SLURRY VOLUME (BBL)	CEMENT TOP	AMOUNT PULLED
30"	20"		0	58'				Surface (Cir)	
12 1/4"	8 5/8" J55	36#	0	772'		375 sks G	77 bbls	Surface (Cir)	
7 7/8"	5 1/2" N80	17#	0	6900'		375 sks Hi-Fill	346 bbls	660' (CBL)	
					340 sks ExtendaCem				

## 25 TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	6688'	NA						

## 26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot-MD)	SIZE	NO HOLES	PERFORATION STATUS
(A) L. Green River	6335'	6634'			6335' - 6337', 6454' - 6456'	0.42"	12	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)					6466' - 6469', 6478' - 6480'	0.42"	15	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C)					6565' - 6568', 6578' - 6580'	0.42"	15	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(D)					6612' - 6615', 6621' - 6623'	0.42"	15	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
					6632' - 6634'	0.42"	6	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>

## 28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
6335' - 6480'	1478 bbls slurry - 20# cross-linked borate gel with 140,900# 16/30 Jordan-Unimin sand
6665' - 6634'	1387 bbls slurry - 20# cross-linked borate gel with 116,084# 20/40 Jordan-Unimin sand

## 29. ENCLOSED ATTACHMENTS:

<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS	<input type="checkbox"/> GEOLOGIC REPORT	<input type="checkbox"/> DST REPORT	<input type="checkbox"/> DIRECTIONAL SURVEY	30. WELL STATUS Producing
<input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION	<input type="checkbox"/> CORE ANALYSIS	<input type="checkbox"/> OTHER		

(5/2000)

(CONTINUED ON BACK)

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## INTERVAL A (As shown in item #26)

INTERVAL A (As shown in Item #26)																					
DATE FIRST PRODUCED: 11/22/2008		TEST DATE 11/29/2008		HOURS TESTED 24		TEST PRODUCTION RATES →		OIL - BBLS: 37		GAS - MCF: 4		WATER - BBLS 33		PROD METHOD: Rods							
CHOKE SIZE NA		TBG PRESS 30		CSG PRESS NA		API GRAVITY 30.7		BTU-GAS NA		GAS/OIL RATIO 108		24 HR PRODUCTION RATES →		OIL - BBLS: 37		GAS - MCF: 4		WATER - BBLS 33		INTERVAL STATUS: Open	

## INTERVAL B (As shown in item #26)

INTERVAL B (As shown in item #26)										
DATE FIRST PRODUCED:		TEST DATE		HOURS TESTED		TEST PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	PROD METHOD:
CHOKE SIZE	TBG PRESS	CSG PRESS	API GRAVITY	BTU-GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	INTERVAL STATUS:

## INTERVAL C (As shown in item #26)

INTERVAL C (As shown in item #29)										
DATE FIRST PRODUCED:		TEST DATE		HOURS TESTED		TEST PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	PROD METHOD:
CHOKE SIZE	TBG PRESS	CSG PRESS	API GRAVITY	BTU-GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	INTERVAL STATUS:

## INTERVAL D (As shown in item #26)

INTERVAL D (As shown in item #26)										
DATE FIRST PRODUCED:		TEST DATE		HOURS TESTED		TEST PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	PROD METHOD:
CHOKE SIZE	TBG PRESS	CSG PRESS	API GRAVITY	BTU-GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	INTERVAL STATUS:

## 32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Used for Fuel

## 33. SUMMARY OF POROUS ZONES (include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

## 34. FORMATION (Log) MARKERS:

FORMATION	TOP (MD)	BOTTOM (MD)	DESCRIPTION, CONTENTS, ETC.	NAME	TOP (Measured Depth)
				Uinta Green River Tgr 3 Marker Douglas Creek	Surface 3016' 5800' 6313'

## 35. ADDITIONAL REMARKS (Include plugging procedure)

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36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Jordan R. NelsonTITLE Petroleum EngineerSIGNATURE DATE December 19, 2008

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation

- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\*ITEM 20: Show the number of completions if production is measured separately from two or more formations

\*\*ITEM 24: Cement Top - Show how report top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS))

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

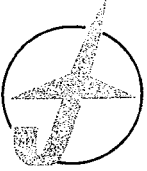
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DIV. OF OIL, GAS &amp; MINING



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**FLYING J OIL & GAS INC.**

333 WEST CENTER STREET • NORTH SALT LAKE, UTAH 84054  
PHONE (801) 296-7700 • FAX (801) 296-7888

December 19, 2008

Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

43 047 40017  
RE: ULT 4-31  
NWNW Sec. 31, T3S, R2E  
Uintah County  
Well Completion Report

To Whom It May Concern:

Enclosed please find a well completion report of the referenced well. Copies of the logs should have been sent to the State directly from the service companies. If you have any questions or are in need of further information please call me at (801) 296-7772.

Sincerely,

Jordan R. Nelson  
Petroleum Engineer

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DEC 22 2008

DIV. OF OIL, GAS & MINING



Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. DJJ

2. CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**1/1/2010**

<b>FROM: (Old Operator):</b> N8080-Flying J Oil & Gas, Inc. 333 West Center Street North Salt Lake, UT 84054  Phone: 1 (801) 296-7726	<b>TO: ( New Operator):</b> N3065-El Paso E&P Company, LP 1099 18th Street, Suite 1900 Denver, CO 80202  Phone: 1 (303) 291-6400
--	---

CA No.

Unit:

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 1/13/2010
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 1/13/2010
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/24/2010
- Is the new operator registered in the State of Utah: Business Number: 2114377-0181
- (R649-9-2) Waste Management Plan has been received on: IN PLACE
- Inspections of LA PA state/fee well sites complete on: 8/10/2009 \*
- Reports current for Production/Disposition & Sundries on: 2/22/2010
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA not yet
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/8/2010

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 2/24/2010
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/24/2010
- Bond information entered in RBDMS on: 2/24/2010
- Fee/State wells attached to bond in RBDMS on: 2/24/2010
- Injection Projects to new operator in RBDMS on: 2/24/2010
- Receipt of Acceptance of Drilling Procedures for APD/New on: \*

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: WYB3457
- Indian well(s) covered by Bond Number: RLB0009692
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 400JU0708
- The **FORMER** operator has requested a release of liability from their bond on: not yet

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 2/25/2010

**COMMENTS:** \* Due to Flying J's bankruptcy, these items are being accepted as is.



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICE AND REPORTS ON WELLS</b>  <small>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.</small>		5. LEASE DESIGNATION AND SERIAL NUMBER: See Attachment
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See Attachment
		7. UNIT or CA AGREEMENT NAME: See Attachment
		8. WELL NAME and NUMBER See Attachment
1. TYPE OF WELLS <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		9. API NUMBER: See Attachment
2. NAME OF OPERATOR El Paso E&P Company, L.P. <i>N 3065</i>		10. FIELD AND POOL, OR WILDCAT See Attachment
3. ADDRESS OF OPERATOR 1099 18th Street, Suite 1900, Denver, CO 80202		PHONE NUMBER 303-291-6400

4. LOCATION OF WELLS  
FOOTAGES AT SURFACE: See Attachment      COUNTY: Duchesne & Uintah  
  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:      STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT <small>(Submit in Duplicate)</small> <small>Approximate date work will start</small>	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE-DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER
	<input type="checkbox"/> SUBSEQUENT REPORT <small>(Submit Original Form Only)</small> <small>Date of work completion:</small>	Change of Operator	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS, Clearly show all pertinent details including dates, depths, volumes, etc.

Effective January 1, 2010, operations of the wells on the attached exhibit were taken over by:  
El Paso E&P Company, L.P., a Delaware limited partnership  
1099 18th Street, Suite 1900  
Denver, CO 80202

The previous operator was: FLYING J OIL & GAS INC. *N 8080*  
333 WEST CENTER STREET  
NORTH SALT LAKE, UT 84054  
*801 296-7726*  
By: *[Signature]*  
Chris J. Malan  
Executive Vice President

Effective January 1, 2010, El Paso E&P Company, L.P. is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under Utah Department of Natural Resources Bond 400JU0708 issued by Travelers Casualty and Surety

*BLM WYB3457 BIA RLB 000 9692*

NAME (PLEASE PRINT) Mary Sharon Balakas      TITLE Attorney in Fact  
SIGNATURE *Mary Sharon Balakas*      DATE 12/29/09

(This space for State use only)

APPROVED *2/24/2010*  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

RECEIVED  
JAN 13 2010  
DIV. OF OIL, GAS & MINING



Flying J Oil Gas Inc (N8080) to El Paso E1 Company LP (N3065)

well_name	sec	twp	rng	api	entity	Lease	well	stat	flag
GOVT 4-14	14	060S	200E	4304730155	760	Federal	OW	S	
GOVERNMENT 10-14	14	060S	200E	4304732709	12009	Federal	OW	S	
GOVERNMENT 12-14	14	060S	200E	4304732850	12150	Federal	OW	P	
MAXIMILLIAN-UTE 14-1	14	010S	030W	4301330726	8437	Indian	OW	P	
FRED BASSETT 1-22A1	22	010S	010W	4301330781	9460	Indian	OW	P	
THE PERFECT "10" 1-10A1	10	010S	010W	4301330935	9461	Indian	OW	P	
BADGER-SAM H U MONGUS 1-15A1	15	010S	010W	4301330949	9462	Indian	OW	P	
UTE TRIBAL 1-35A1E	35	010S	010E	4304730286	795	Indian	OW	P	
UTE TRIBAL 1-27A1E	27	010S	010E	4304730421	800	Indian	OW	P	
UTE TRIBAL 1-22A1E	22	010S	010E	4304730429	810	Indian	OW	P	
UTE TRIBAL 1-15A1E	15	010S	010E	4304730820	850	Indian	OW	P	
UTE TRIBAL 1-17A1E	17	010S	010E	4304730829	860	Indian	OW	P	
UTE TRIBAL 1-29A1E	29	010S	010E	4304730937	895	Indian	OW	P	
CARSON 2-36A1	36	010S	010W	4304731407	737	Indian	OW	P	
UTE 2-17A1E	17	010S	010E	4304737831	16709	Indian	OW	P	
SADIE BLANK 1-33Z1	33	010N	010W	4301330355	765	Fee	OW	P	
HOUSTON 1-34Z1	34	010N	010W	4301330566	885	Fee	OW	P	
WISSE 1-28Z1	28	010N	010W	4301330609	905	Fee	OW	P	
POWELL 1-21B1	21	020S	010W	4301330621	910	Fee	OW	P	
H MARTIN 1-21Z1	21	010N	010W	4301330707	925	Fee	OW	P	
BIRCHELL 1-27A1	27	010S	010W	4301330758	940	Fee	OW	P	
EULA-UTE 1-16A1	16	010S	010W	4301330782	8443	Fee	OW	P	
R HOUSTON 1-22Z1	22	010N	010W	4301330884	936	Fee	OW	P	
BADGER MR BOOM BOOM 2-29A1	29	010S	010W	4301331013	9463	Fee	OW	P	
REARY 2-17A3	17	010S	030W	4301331318	11251	Fee	OW	P	
MAGDALENE PAPADOPULOS 1-34A1E	34	010S	010E	4304730241	785	Fee	OW	P	
DAVIS 1-33A1E	33	010S	010E	4304730384	805	Fee	WD	A	
LARSEN 1-25A1	25	010S	010W	4304730552	815	Fee	OW	TA	
DRY GULCH 1-36A1	36	010S	010W	4304730569	820	Fee	OW	TA	
NELSON 1-31A1E	31	010S	010E	4304730671	830	Fee	OW	P	
ROSEMARY LLOYD 1-24A1E	24	010S	010E	4304730707	840	Fee	OW	P	
H D LANDY 1-30A1E	30	010S	010E	4304730790	845	Fee	OW	P	
WALKER 1-14A1E	14	010S	010E	4304730805	855	Fee	OW	P	
BOLTON 2-29A1E	29	010S	010E	4304731112	900	Fee	OW	P	
PRESCOTT 1-35Z1	35	010N	010W	4304731173	1425	Fee	OW	P	
BISEL GURR 11-1	11	010S	010W	4304731213	8438	Fee	OW	P	
UTE TRIBAL 2-22A1E	22	010S	010E	4304731265	915	Fee	OW	P	
L. BOLTON 1-12A1	12	010S	010W	4304731295	920	Fee	OW	P	
FOWLES 1-26A1	26	010S	010W	4304731296	930	Fee	OW	P	
BRADLEY 23-1	23	010S	010W	4304731297	8435	Fee	OW	P	
BASTIAN 1-2A1	02	010S	010W	4304731373	736	Fee	OW	P	
D R LONG 2-19A1E	19	010S	010E	4304731470	9505	Fee	OW	P	
O MOON 2-26Z1	26	010N	010W	4304731480	10135	Fee	OW	P	
LILA D 2-25A1	25	010S	010W	4304731797	10790	Fee	OW	P	
LANDY 2-30A1E	30	010S	010E	4304731895	11127	Fee	OW	P	
BISEL-GURR 2-11A1	11	010S	010W	4304735410	14428	Fee	OW	P	
KNIGHT 16-30	30	030S	020E	4304738499	16466	Fee	OW	P	
ELIASON 6-30	30	030S	020E	4304738500	16465	Fee	OW	S	



Flying J Oil Gas Inc (N8080) to El Paso E2 Company LP (N3065)

well_name	sec	tpw	rng	api	entity	Lease	well	stat	flag
KNIGHT 14-30	30	030S	020E	4304738501	15848	Fee	OW	P	
FLYING J FEE 2-12A1	12	010S	010W	4304739467	16686	Fee	OW	P	
OBERHANSLY 3-11A1	11	010S	010W	4304739679		Fee	OW	APD	
BISEL GURR 4-11A1	11	010S	010W	4304739961	16791	Fee	OW	P	
ULT 4-31	31	030S	020E	4304740017	16985	Fee	OW	P	
DEEP CREEK 2-31	31	030S	020E	4304740026	16950	Fee	OW	P	
DEEP CREEK 8-31	31	030S	020E	4304740032	17053	Fee	OW	P	
ULT 6-31	31	030S	020E	4304740033		Fee	OW	APD	
ULT 12-29	29	030S	020E	4304740039	17010	Fee	OW	P	
ELIASON 12-30	30	030S	020E	4304740040	17011	Fee	OW	P	C
OBERHANSLY 2-2A1	02	010S	010W	4304740164		Fee	OW	APD	
KILLIAN 3-12A1	12	010S	010W	4304740226		State	OW	APD	



Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET (for state use only)**

**ROUTING**  
**CDW**

**X - Change of Operator (Well Sold)**

**Operator Name Change/Merger**

The operator of the well(s) listed below has changed, effective:

**6/1/2011**

<b>FROM: (Old Operator):</b> N3065-El Paso E&P Company, LP 1001 Louisiana Street Houston, TX 77002  Phone: 1 (713) 420-2600	<b>TO: (New Operator):</b> N3730-Ute Energy Upstream Holdings, LLC 1875 Lawrence Street, Suite 200 Denver, CO 80202  Phone: 1 (720) 420-3200
--	---

**CA No.**

**Unit:**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST - 8 WELLS								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/1/2011
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/1/2011
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/1/2011
- 4a. Is the new operator registered in the State of Utah: Business Number: 7794804-0161
- 5a. (R649-9-2) Waste Management Plan has been received on: IN PLACE
- 5b. Inspections of LA PA state/fee well sites complete on: requested
- 5c. Reports current for Production/Disposition & Sundries on: ok
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA n/a
7. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a
8. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
9. **Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 8/9/2011
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 8/9/2011
- Bond information entered in RBDMS on: 8/9/2011
- Fee/State wells attached to bond in RBDMS on: 8/9/2011
- Injection Projects to new operator in RBDMS on: n/a
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: n/a
- Indian well(s) covered by Bond Number: n/a
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number LPM9032132 and LPM9046690
- 3b. The **FORMER** operator has requested a release of liability from their bond on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 8/9/2011

**COMMENTS:**



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

See Attachment

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

See Attachment

7. UNIT or CA AGREEMENT NAME:

See Attachment

8. WELL NAME and NUMBER:

See Attachment

9. API NUMBER:

See Attach

10. FIELD AND POOL, OR WILDCAT:

See Attachment

1. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

2. NAME OF OPERATOR:

Ute Energy Upstream Holdings LLC

N3730

3. ADDRESS OF OPERATOR:

1875 Lawrence St, Suite 200

CITY

Denver

STATE

CO

ZIP

80202

PHONE NUMBER:

(720) 420-3200

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See Attachment

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ NOTICE OF INTENT  
(Submit in Duplicate)

Approximate date work will start:

☐ SUBSEQUENT REPORT  
(Submit Original Form Only)

Date of work completion:

TYPE OF ACTION

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☒ OTHER: Change of Operator

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective JUNE 1, 2011, operation of the wells on the attached exhibit were taken over by:

Ute Energy Upstream Holdings LLC  
1875 Lawrence Street, Suite 200  
Denver, CO 80202

The previous operator was: El Paso E&P Company, L.P., 1001 Louisiana, Houston, Texas 77002

El Paso E&P Company, L.P.

N3065

By: Antonio J. de Pinho  
Name: Antonio J. de Pinho  
Title: Vice President



RECEIVED

JUN 01 2011

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Gregory S. Hinds

TITLE Chief Operating Officer

SIGNATURE

DATE

4/20/11

(This space for State use only)

APPROVED 819 111

(5/2000)

Earlene Russell  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)



**Attachment to Sundry Notice**

	LEASE	INDIAN	UNIT	WELL		FIELD								
	DESIG	ALLOT	OR	NUMBER		AND								
	AND	OR	CA	NAME		POOL								
TYPE	SERIAL	TRIBE	AGMT	AND	API	OR							SURFACE	
WELL	NUM	NAME	NAME	NUMBER	NUMBER	WILDCAT	TWP	RNG	SEC	QTR	QTR		FOOTAGE	COUNTY ST
OIL	FEE			KNIGHT 14-30	43-047-38501	RANDLETT	3S	2E	30	SESW			660' FSL & 2180' FWL	UINTAH UT
OIL	FEE			KNIGHT 16-30	43-047-38499	RANDLETT	3S	2E	30	SESE			691' FSL & 640' FEL	UINTAH UT
OIL	FEE			ELIASON 12-30	43-047-40040	WILDCAT	3S	2E	30	NWSW			1980' FSL & 660' FWL	UINTAH UT
OIL	FEE			ULT 12-29	43-047-40039	WILDCAT	3S	2E	29	NWSW			1797' FSL & 741' FWL	UINTAH UT
OIL	FEE			DEEP CREEK 2-3	43-047-40026	WILDCAT	3S	2E	31	NWNE			663' FNL & 1977' FEL	UINTAH UT
OIL	FEE			ULT 4-31	43-047-40017	WILDCAT	3S	2E	31	NWNW			663' FNL & 664' FWL	UINTAH UT
OIL	FEE			DEEP CREEK 8-3	43-047-40032	WILDCAT	3S	2E	31	SENE			1980' FNL & 660' FEL	UINTAH UT
OIL	FEE			ELIASON 6-30	43-047-38500	RANDLETT	3S	2E	30	SENW			1949' FNL & 1998' FWL	UINTAH UT

**RECEIVED**  
**JUN 01 2011**  
 DIV. OF OIL, GAS & MINING



Division of Oil, Gas and Mining  
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**ROUTING**  
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1875 Lawrence Street, Suite 200  
Denver, CO 80202

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**CA No.**

**Unit:**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
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**COMMENTS:**



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

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See Attachment

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

See Attachment

7. UNIT or CA AGREEMENT NAME:

See Attachment

8. WELL NAME and NUMBER:

See Attachment

9. API NUMBER:

See Attach

10. FIELD AND POOL, OR WILDCAT:

See Attachment

1. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER ☐

2. NAME OF OPERATOR:

Ute Energy Upstream Holdings LLC

N3730

3. ADDRESS OF OPERATOR:

1875 Lawrence St, Suite 200

CITY

Denver

STATE

CO

ZIP

80202

PHONE NUMBER:

(720) 420-3200

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See Attachment

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE	
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Change of Operator</u>	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

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El Paso E&P Company, L.P.

N3065

By:

Name: Antonio J. de Pinho

Title: Vice President



RECEIVED

JUN 01 2011

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Gregory S. Hinds

TITLE Chief Operating Officer

SIGNATURE

DATE

4/20/11

(This space for State use only)

APPROVED 819 111

(5/2000)

Earlene Russell  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)



**Attachment to Sundry Notice**

	LEASE	INDIAN	UNIT	WELL		FIELD							
	DESIG	ALLOT	OR	NUMBER		AND	WELL LOCATION						
	AND	OR	CA	NAME		POOL							
TYPE	SERIAL	TRIBE	AGMT	AND	API	OR					SURFACE		
WELL	NUM	NAME	NAME	NUMBER	NUMBER	WILDCAT	TWP	RNG	SEC	QTR	QTR	FOOTAGE	COUNTY ST
OIL	FEE			KNIGHT 14-30	43-047-38501	RANDLETT	3S	2E	30	SESW		660' FSL & 2180' FWL	UINTAH UT
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OIL	FEE			ELIASON 12-30	43-047-40040	WILDCAT	3S	2E	30	NWSW		1980' FSL & 660' FWL	UINTAH UT
OIL	FEE			ULT 12-29	43-047-40039	WILDCAT	3S	2E	29	NWSW		1797' FSL & 741' FWL	UINTAH UT
OIL	FEE			DEEP CREEK 2-3	43-047-40026	WILDCAT	3S	2E	31	NWNE		663' FNL & 1977' FEL	UINTAH UT
OIL	FEE			ULT 4-31	43-047-40017	WILDCAT	3S	2E	31	NWNW		663' FNL & 664' FWL	UINTAH UT
OIL	FEE			DEEP CREEK 8-3	43-047-40032	WILDCAT	3S	2E	31	SENE		1980' FNL & 660' FEL	UINTAH UT
OIL	FEE			ELIASON 6-30	43-047-38500	RANDLETT	3S	2E	30	SENW		1949' FNL & 1998' FWL	UINTAH UT

**RECEIVED**  
**JUN 01 2011**  
 DIV. OF OIL, GAS & MINING



# CONFIDENTIAL

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

AMENDED REPORT  
(highlight changes)

FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG									
1a. TYPE OF WELL   OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____						5. LEASE DESIGNATION AND SERIAL NO. Fee			
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEPEN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RSVR. <input type="checkbox"/> OTHER _____						6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA			
2. NAME OF OPERATOR Flying J Oil & Gas Inc.						7. UNIT or CA AGREEMENT NAME NA			
3. ADDRESS OF OPERATOR 333 W Center St North Salt Lake, Utah 84054						PHONE NUMBER 801-296-7700		8. WELL NAME and NUMBER ULT 4-31	
4. LOCATION OF WELL (FOOTAGES) At surface                      663 FNL 664 FWL At top prod. interval reported below      Same At total depth                      Same						11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW Sec 31 T3S R2E			
14. DATE SPUDDED 7/16/2008						16. DATE T.D. REACHED 8/4/2008		17. ELEVATIONS (DF, RKB, RT, GL): 5059' KB	
15. DATE COMPLETED 11/22/2008   ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>						12. COUNTY Utah			
18. TOTAL DEPTH MD                      6900' TVD						19. PLUG BACK T.D.: MD                      6855' TVD		13. STATE Utah	
20. IF MULTIPLE COMPLETIONS, HOW MANY? NA						21. DEPTH BRIDGE                      MD   NA PLUG SET                      TVD			
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) Dipole Sonic Imager                      Mud Log Gamma Ray Cement Bond Log						23. WAS WELL CORED?      NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN?      NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY?      NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy)			
24. CASING AND LINER RECORD (Report all strings set in well)									
HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO	SLURRY VOLUME (BBL)	CEMENT TOP	AMOUNT PULLED
30"	20"		0	58'				Surface (Cir)	
12 1/4"	9 5/8" J55	36#	0	772'		375 sks G	77 bbls	Surface (Cir)	
7 7/8"	5 1/2" N80	17#	0	6900'		375 sks Hi-Fill	346 bbls	660' (CBL)	
						340 sks ExtendaCem			
25 TUBING RECORD									
SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2 7/8"	6688'	NA							
26. PRODUCING INTERVALS									
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot-MD)	SIZE	NO HOLES	PERFORATION STATUS	
(A) L. Green River	6335'	6634'			6335' - 6337', 6454' - 6456'	0.42"	12	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>	
(B)					6466' - 6469', 6478' - 6480'	0.42"	15	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>	
(C)					6565' - 6568', 6578' - 6580'	0.42"	15	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>	
(D)					6612' - 6615', 6621' - 6623'	0.42"	15	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>	
					6632' - 6634'	0.42"	6	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>	
28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.									
DEPTH INTERVAL		AMOUNT AND TYPE OF MATERIAL							
6335' - 6480'		1478 bbls slurry - 20# cross-linked borate gel with 140,900# 16/30 Jordan-Unimlin sand							
6565' - 6634'		1387 bbls slurry - 20# cross-linked borate gel with 116,084# 20/40 Jordan-Unimlin sand							
29. ENCLOSED ATTACHMENTS:									
<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> DST REPORT <input type="checkbox"/> DIRECTIONAL SURVEY <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION <input type="checkbox"/> CORE ANALYSIS <input type="checkbox"/> OTHER _____									
									30. WELL STATUS Producing

(5/2000)

(CONTINUED ON BACK)

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INTERVAL A (As shown in Item #26)									
DATE FIRST PRODUCED: 11/22/2008	TEST DATE 11/29/2008	HOURS TESTED 24		TEST PRODUCTION RATES →	OIL - BBLS: 37	GAS - MCF: 4	WATER - BBLS 33	PROD METHOD: Rods	
CHOKE SIZE NA	TBG PRESS 30	CSG PRESS NA	API GRAVITY 30.7	BTU-GAS NA	GAS/OIL RATIO 108	24 HR PRODUCTION RATES →	OIL - BBLS: 37	GAS - MCF: 4	WATER - BBLS 33
INTERVAL STATUS: Open									

INTERVAL B (As shown in Item #26)									
DATE FIRST PRODUCED:	TEST DATE	HOURS TESTED		TEST PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	PROD METHOD:	
CHOKE SIZE	TBG PRESS	CSG PRESS	API GRAVITY	BTU-GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS
INTERVAL STATUS:									

INTERVAL C (As shown in Item #26)									
DATE FIRST PRODUCED:	TEST DATE	HOURS TESTED		TEST PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	PROD METHOD:	
CHOKE SIZE	TBG PRESS	CSG PRESS	API GRAVITY	BTU-GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS
INTERVAL STATUS:									

INTERVAL D (As shown in Item #26)									
DATE FIRST PRODUCED:	TEST DATE	HOURS TESTED		TEST PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	PROD METHOD:	
CHOKE SIZE	TBG PRESS	CSG PRESS	API GRAVITY	BTU-GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS
INTERVAL STATUS:									

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)
Used for Fuel

33. SUMMARY OF POROUS ZONES (Include Aquifers):				34. FORMATION (Log) MARKERS:	
Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries					
FORMATION	TOP (MD)	BOTTOM (MD)	DESCRIPTION, CONTENTS, ETC.	NAME	TOP (Measured Depth)
				Uinta Green River Tgr 3 Marker Douglas Creek	Surface 3016' 5800' 6313'

35. ADDITIONAL REMARKS (Include plugging procedure)

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36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Jordan R. Nelson

TITLE Petroleum Engineer

SIGNATURE 

DATE December 19, 2008

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation

- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\*ITEM 20: Show the number of completions if production is measured separately from two or more formations

\*\*ITEM 24: Cement Top - Show how report top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS))

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

**RECEIVED**

**DEC 22 2008**

(5/2000)

**DIV. OF OIL, GAS & MINING**



Sundry Number: 23464 API Well Number: 43047400170000

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL  
Oil Well

2. NAME OF OPERATOR:  
UTE ENERGY UPSTREAM HOLDINGS LLC

3. ADDRESS OF OPERATOR:  
1875 Lawrence St Ste 200, Denver, CO, 80202

PHONE NUMBER:  
720 420-3235 Ext

4. LOCATION OF WELL  
FOOTAGES AT SURFACE:  
0663 FNL 0664 FWL  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
Qtr/Qtr: NWNW Section: 31 Township: 03.0S Range: 02.0E Meridian: U

5. LEASE DESIGNATION AND SERIAL NUMBER:  
FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:  
ULT 4-31

9. API NUMBER:  
43047400170000

9. FIELD and POOL or WILDCAT:  
RANDLETT

COUNTY:  
UINTAH

STATE:  
UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ NOTICE OF INTENT  
Approximate date work will start:  
3/12/2012

☐ SUBSEQUENT REPORT  
Date of Work Completion:

☐ SPUD REPORT  
Date of Spud:

☐ DRILLING REPORT  
Report Date:

☐ ACIDIZE  
☐ CHANGE TO PREVIOUS PLANS  
☐ CHANGE WELL STATUS

☐ DEEPEN  
☐ OPERATOR CHANGE

☐ PRODUCTION START OR RESUME  
☐ REPERFORATE CURRENT FORMATION  
☐ TUBING REPAIR

☐ WATER SHUTOFF  
☐ WILDCAT WELL DETERMINATION

☐ ALTER CASING  
☐ CHANGE TUBING  
☐ COMMINGLE PRODUCING FORMATIONS

☐ FRACTURE TREAT  
☐ PLUG AND ABANDON  
☐ RECLAMATION OF WELL SITE  
☐ SIDETRACK TO REPAIR WELL

☐ VENT OR FLARE  
☐ SI TA STATUS EXTENSION  
☐ OTHER

☐ CASING REPAIR  
☐ CHANGE WELL NAME  
☐ CONVERT WELL TYPE  
☐ NEW CONSTRUCTION  
☐ PLUG BACK  
☒ RECOMPLETE DIFFERENT FORMATION  
☐ TEMPORARY ABANDON  
☐ WATER DISPOSAL  
☐ APD EXTENSION

OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Ute Energy Upstream Holdings LLC respectfully requests to MIRU to P&A existing perforations in the Green River Formation & prep for conversion in a SWD well in the Birds Nest interval. Perforate Birds Nest interval & swab test well to recover a representative water sample from the formation for water analysis. Please see attached procedures for a detailed description of the proposed action.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: March 07, 2012

By: Derek Quint

NAME (PLEASE PRINT)  
Jenn Mendoza

PHONE NUMBER  
720 420-3229

TITLE  
Regulatory Specialist

SIGNATURE  
N/A

DATE  
3/1/2012

RECEIVED: Mar. 01, 2012



Schlumberger

Company: Flying J Oil &amp; Gas Inc.

Well: ULT 4-31

Field: Randlett

County: Uintah

State: Utah

CBL / VDL CEMENT BOND LOG

GAMMA RAY

CASING COLLAR LOCATOR

660' FNL &amp; 660' FNL

Elev.: K.B. 5058 ft  
G.L. 5041 ft  
D.F. 5057 ftPermanent Datum: Ground Level  
Log Measured From: Kelly Bushing  
Drilling Measured From: Kelly Bushing  
Elev.: 5041 ft  
17.0 ft above Perm. DatumCounty: Uintah  
Field: Randlett  
Location: 660' FNL & 660' FNL  
Well: ULT 4-31  
Company: Flying J Oil & Gas Inc.

## LOCATION

API Serial No.  
43-047-40017Section  
31Township  
3SRange  
7ELogging Date  
11-Aug-2008Run Number  
1Depth Driller  
6900 ftSchlumberger Depth  
6900 ftBottom Log Interval  
6800 ftTop Log Interval  
100 ftCasing Fluid Type  
Fresh WaterSalinity  
8.9 lbm/galDensity  
8.9 lbm/galFluid Level  
8.9 lbm/galBIT/CASING/TUBING STRING  
7.875 inBit Size  
7.875 inFrom  
6900 ftTo  
6900 ftCasing/Tubing Size  
5.500 inWeight  
17 lbm/ftGrade  
0 ftFrom  
6900 ftTo  
6900 ftMaximum Recorded Temperatures  
150 degFLogger On Bottom  
11-Aug-2008Unit Number  
2210Location  
VernalRecorded By  
Andreas CalnesWitnessed By  
Pirk Chivers

Schlumberger

Main Pass

MAXIS Field Log

Company: Flying J Oil &amp; Gas Inc.

Well: ULT 4-31

## Input DLIS Files

DEFAULT SONIC\_TLD\_MCFL\_CNL\_005LUP FN:4 PRODUCER 12-Aug-2008 08:29 6832.0 FT 75.5 FT

## Output DLIS Files

DEFAULT SONIC\_TLD\_MCFL\_CNL\_007PUP FN:6 PRODUCER 13-Aug-2008 12:40 6832.0 FT 77.0 FT

## OP System Version: 14C0-302

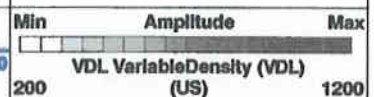
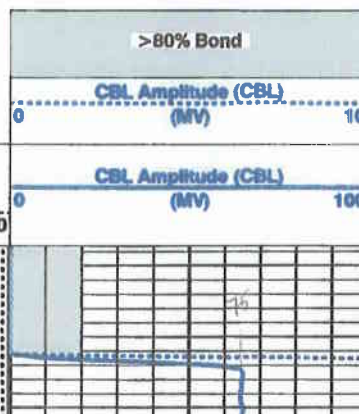
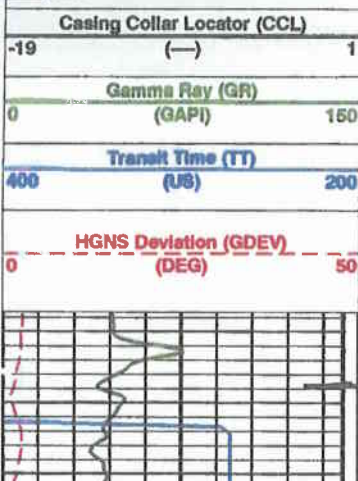
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DSLIT-FTB  
DTC-Hskk-3197-mast\_b  
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CAL-YSRPC-3243-Q4\_2006\_b  
SRPC-3243-Q4\_2006\_b

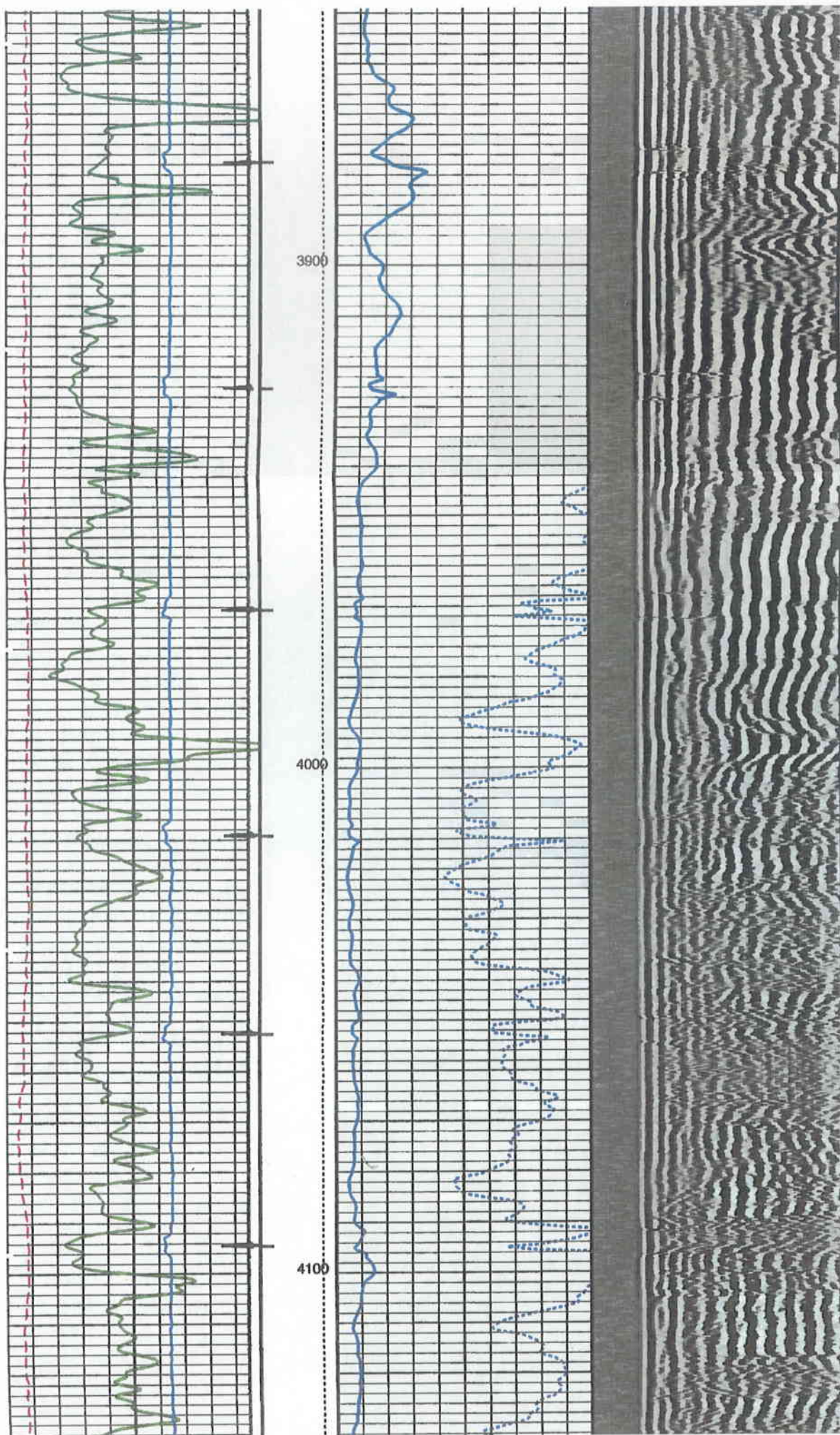
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Casing Collars

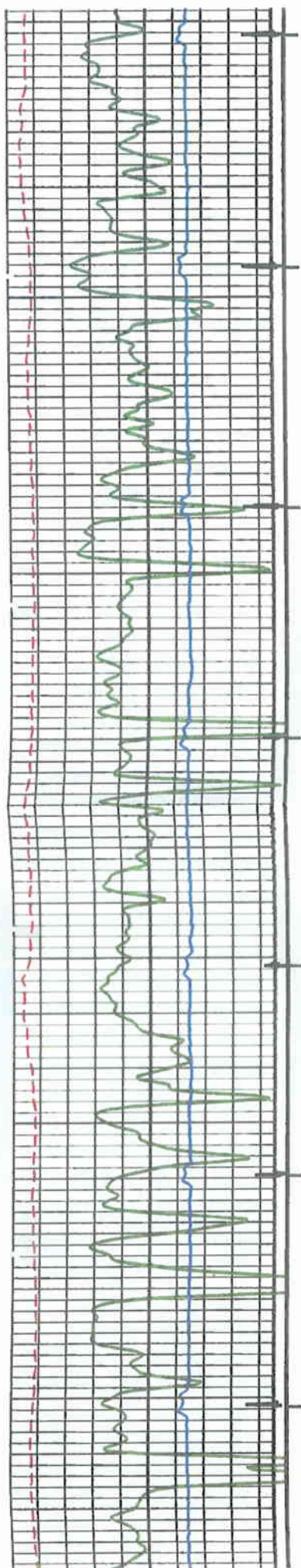
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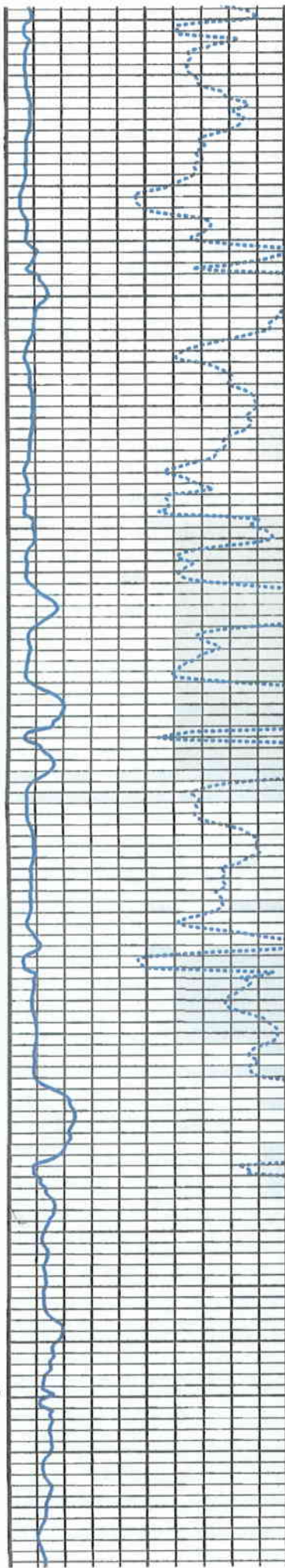




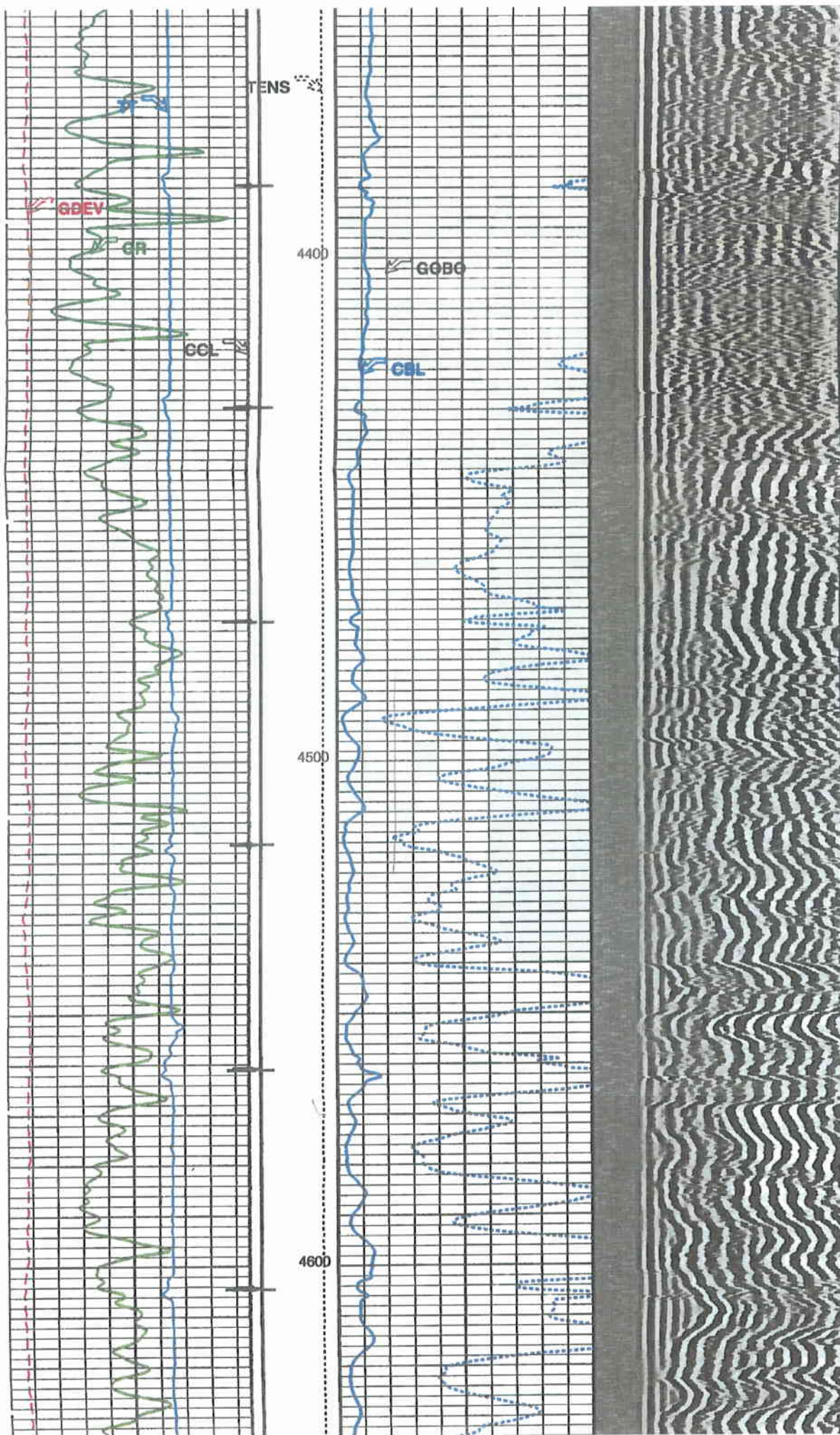
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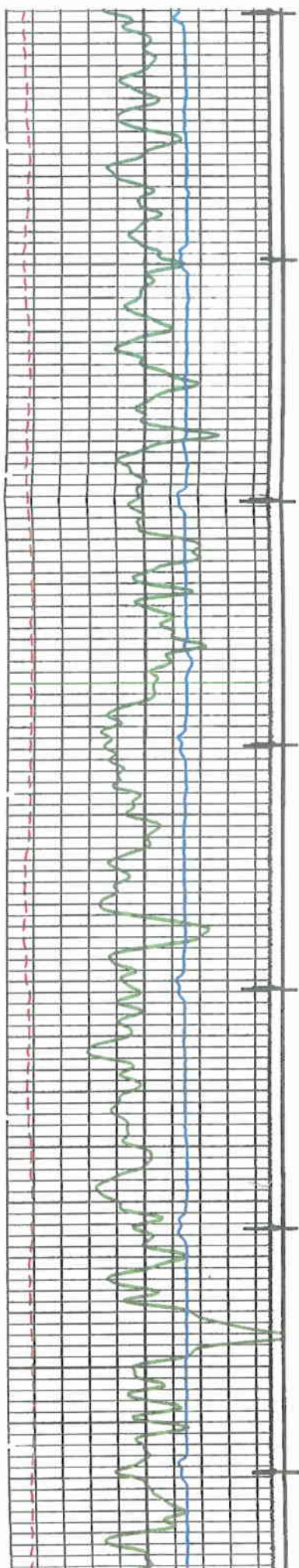
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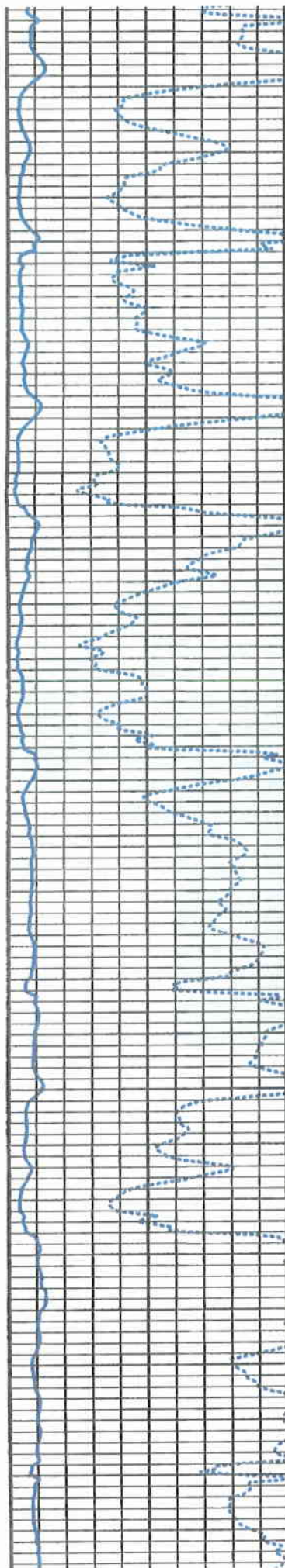




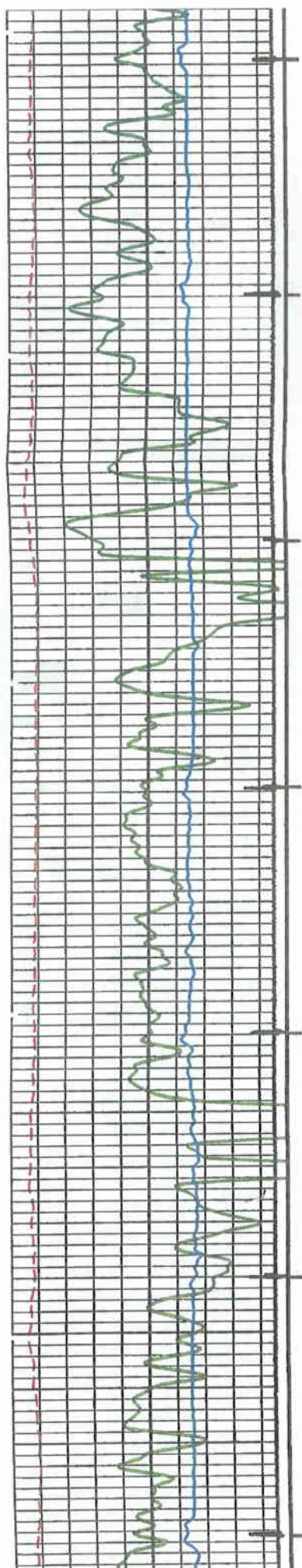


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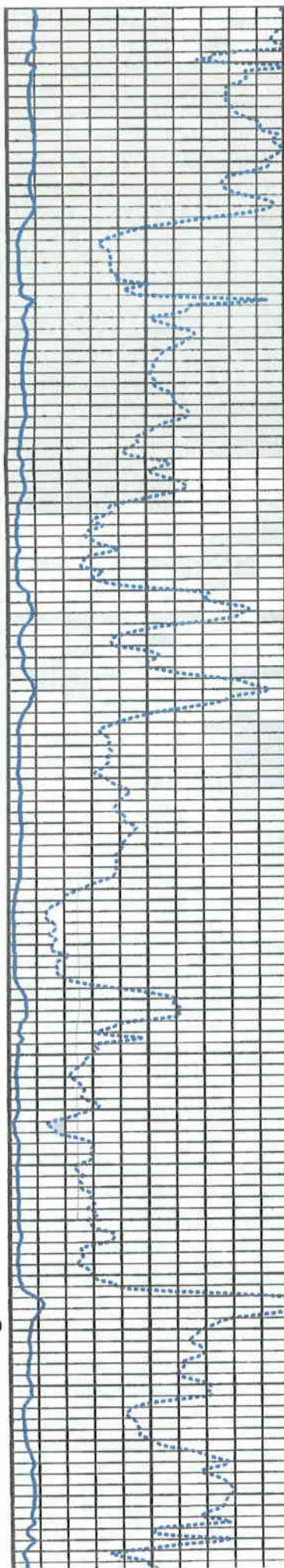




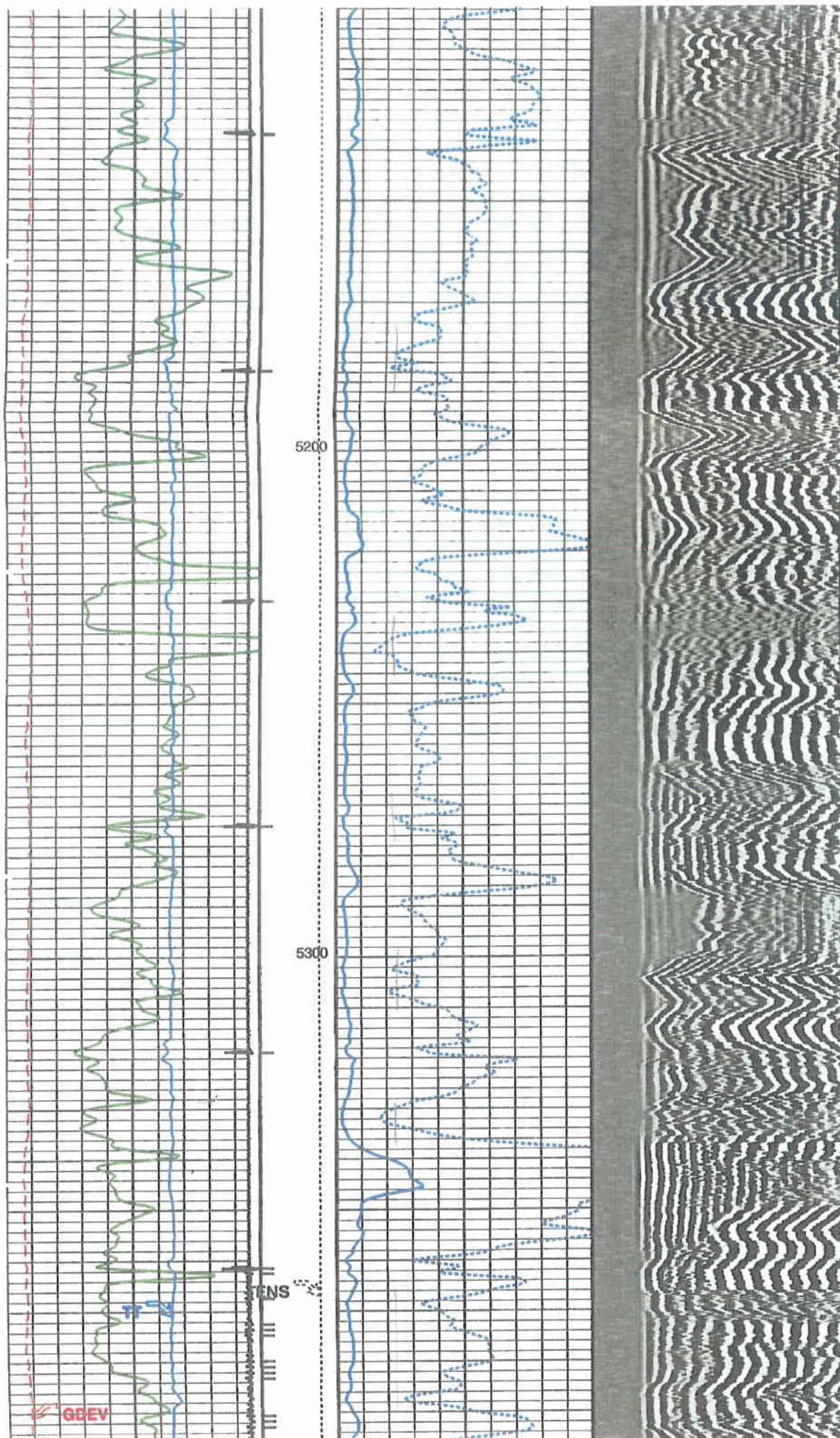
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DESCRIPTION										DEPTH		WELLBORE		WELL HISTORY									
20" Conductor										58'													
9-5/8" Surface Casing (12-1/4" Hole)										23 jts 9-5/8" 36# J-55 STC 754'				9-5/8" Surface Casing Cementing									
														Lead: 375 sxs 92 bbls									
														Cmt Top Surface									
2-3/8" 4.7# N-80 8rd EUE Tubing Detail as of																							
Item	Description								Length	Depth													
	RKB																						
	Tubing Spool to Ground Level Adjustment																						
	Tubing Spool to Original RKB Adjustment																						
7	WHI 2-1/16" x 5M Tapered Tubing Hanger									0.00'													
6	2-3/8" 4.7# N-80 8rd EUE									0.00'													
5	Otis Type 2-3/8" 8rd "XN" profile (No-Go = 1.85")									0.00'													
4	2-3/8" 4.7# N-80 8rd EUE									0.00'													
3	Otis Type 2-3/8" 8rd "XN" profile (No-Go = 1.791")									0.00'													
2	2-3/8" 4.7# N-80 8rd EUE									0.00'													
1	2-3/8" 8rd NW machine Pump-Off sub									0.00'													
0 jts								End of Tubing	0.00'	0.00'													
								CBL		660'													



## Surface

St. p cont.

8-5/8"  
MW 8.4  
Frac 19.3

TOC @  
289

Surface  
817. MD

1450' ± BMSW

TOC  
2513.

TOC @ - to surf @ 0% w/o, tail 5391'  
2513. propose to 817' x stop

4463' Upper Green River Mkr.

4813' Mahogany

5858' Garden Gulch (TGR3)

6314 fail

6735 'Douglas Creek

7222' Black, Shale

7423' Castle Peak

7705' Uteland

7872' Wasatch

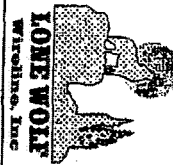
5-1/2"  
MW 9.2

Production  
8172. MD



**ATTACHMENT B2**  
**DEEP CREEK 16-25-3-1E**  
**CEMENT BOND LOG**





# CEMENT BOND LOG GAMMA RAY CCL

Company UTE ENERGY LLC  
Well ULT 16-25-3-1E  
Field RANDLETT  
County UTAH  
State UTAH

Company UTE ENERGY LLC  
Well ~~Deep Creek~~ ULT 16-25-3-1E  
Field RANDLETT  
County UTAH  
State UTAH

Location: 6602 FSL & 660' FEL  
SEC 25 TWP 3S RGE 1E  
Permanent Datum GROUND LEVEL Elevation 5036'  
Log Measured From KELLY BUSHING  
Drilling Measured From KELLY BUSHING

Other Services  
Elevation  
K.B. 5048'  
D.F. 5047'  
G.L. 5036'

Date 18-NOV-2011

Run Number ONE

Depth Driller 8172'

Depth Logger 8073'

Bottom Logged Interval 8073'

Top Log Interval SURFACE

Open Hole Size 7.875"

Type Fluid WATER

Density / Viscosity N/A

Max. Recorded Temp. 195 DEG. F

Estimated Cement Top 215'

Time Well Ready R.O.A

Time Logger on Bottom 8.45

Equipment Number 143

Location VERNAL, UT

Recorded By GREG PERRY

Witnessed By MR. KEN ALLEN

Run Number

Bit

From

To

Size

5.5"

Weight

Top

Bottom

Production String

Liner

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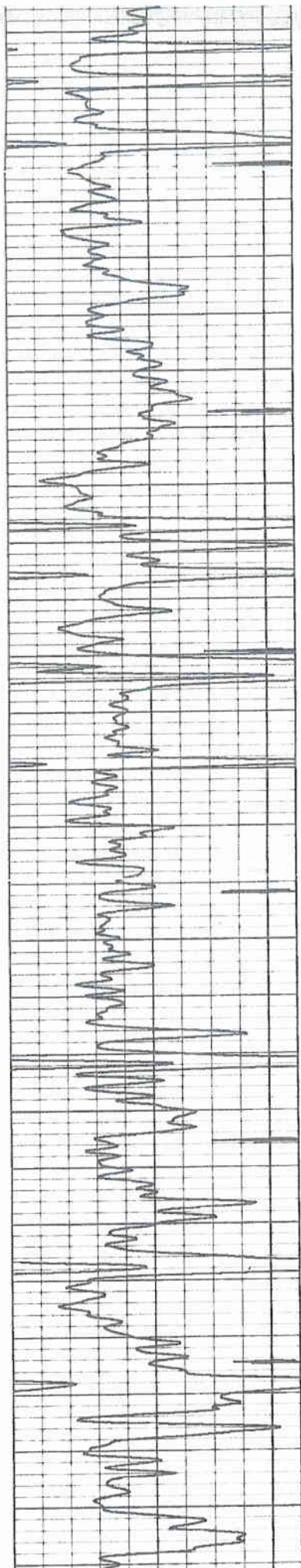
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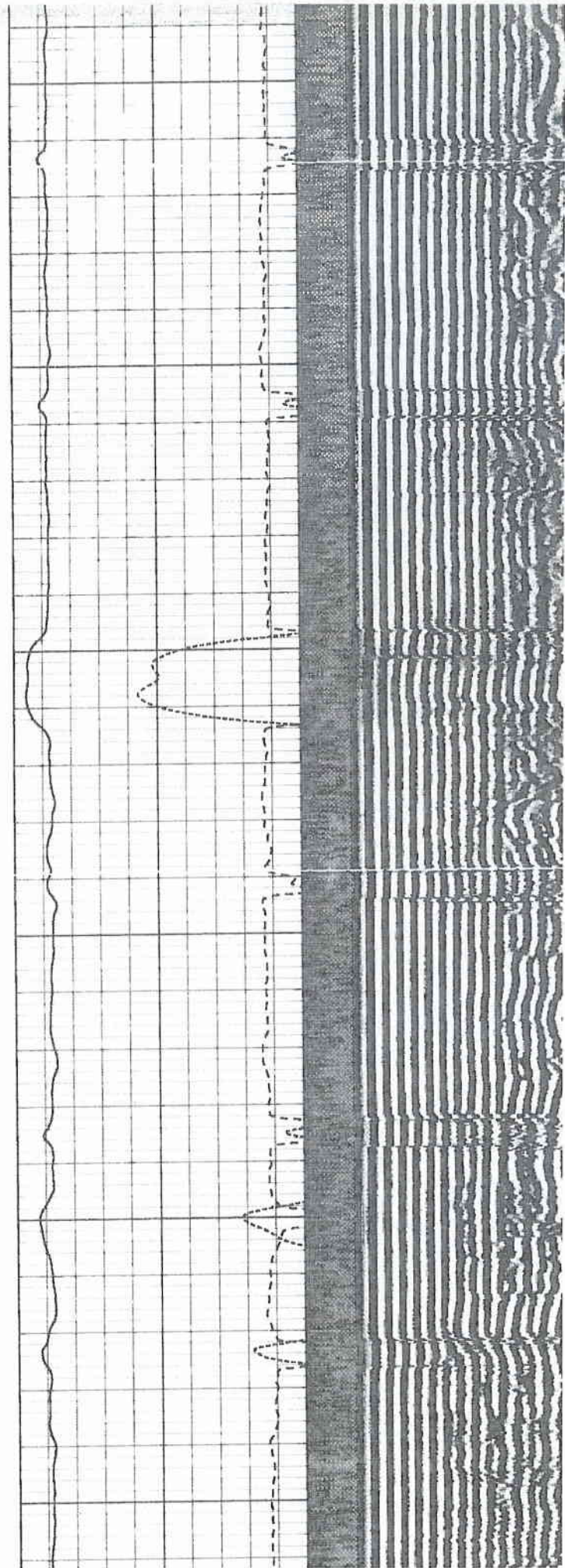
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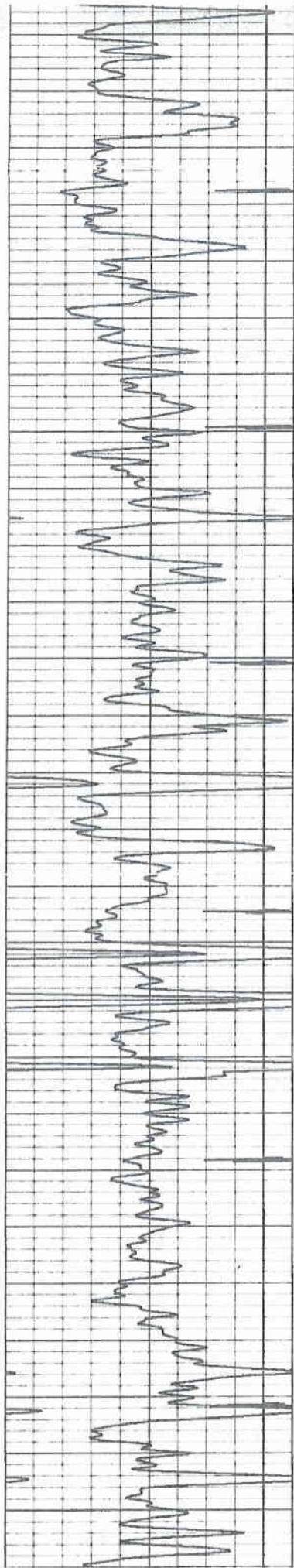
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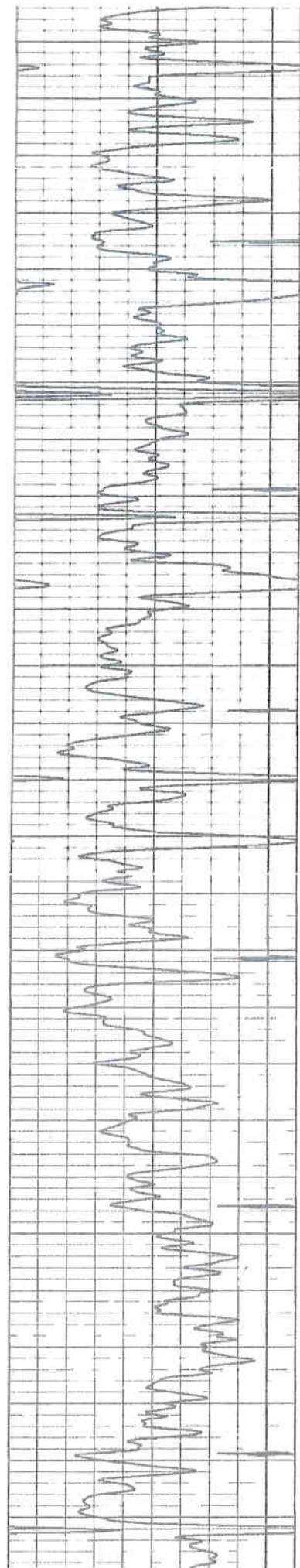
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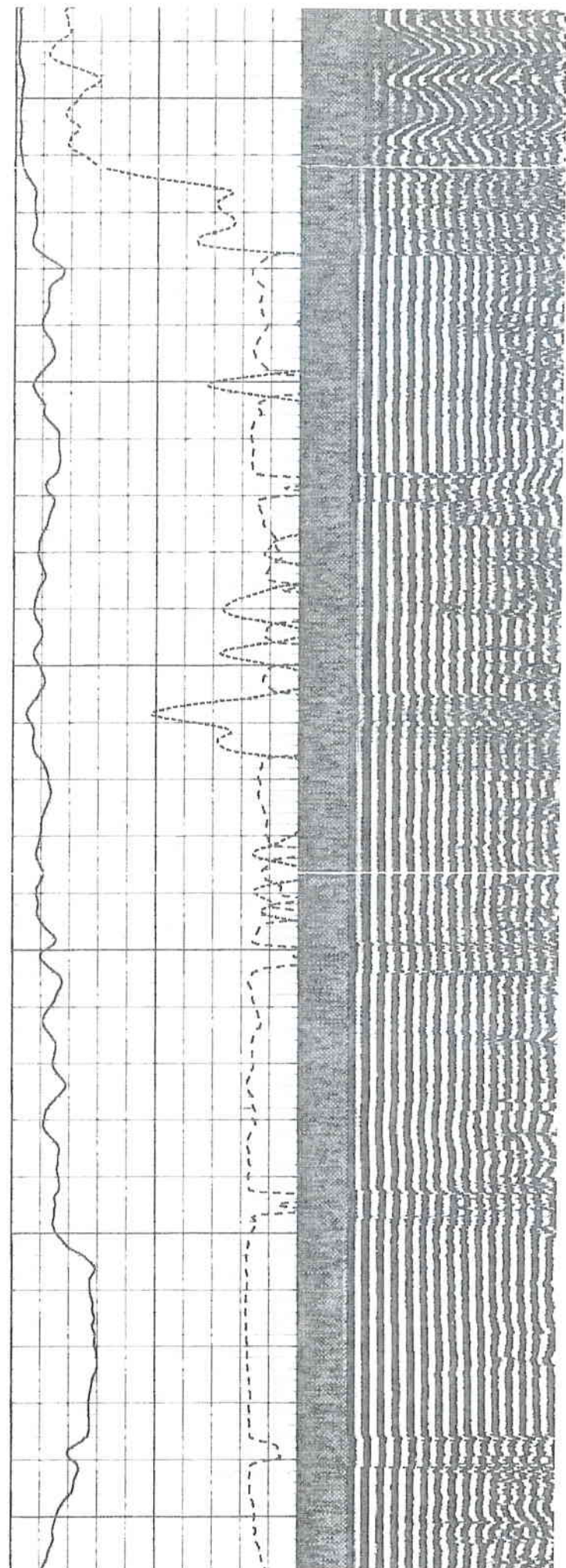
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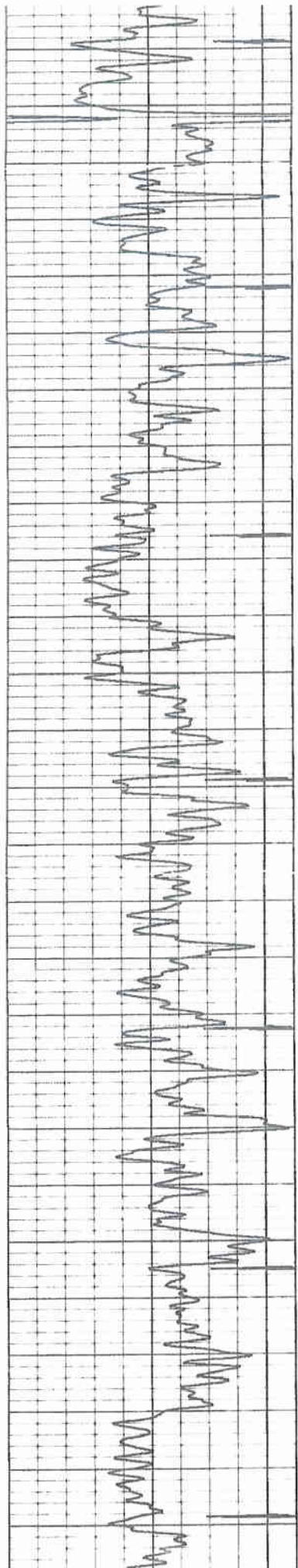




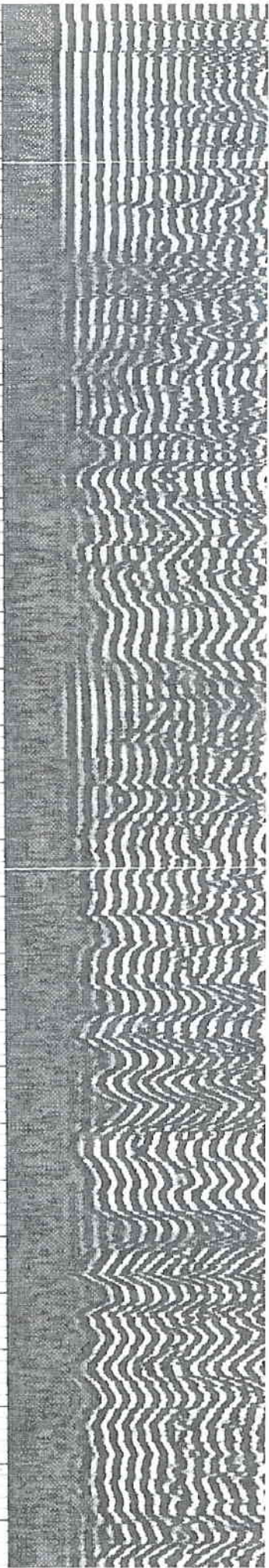
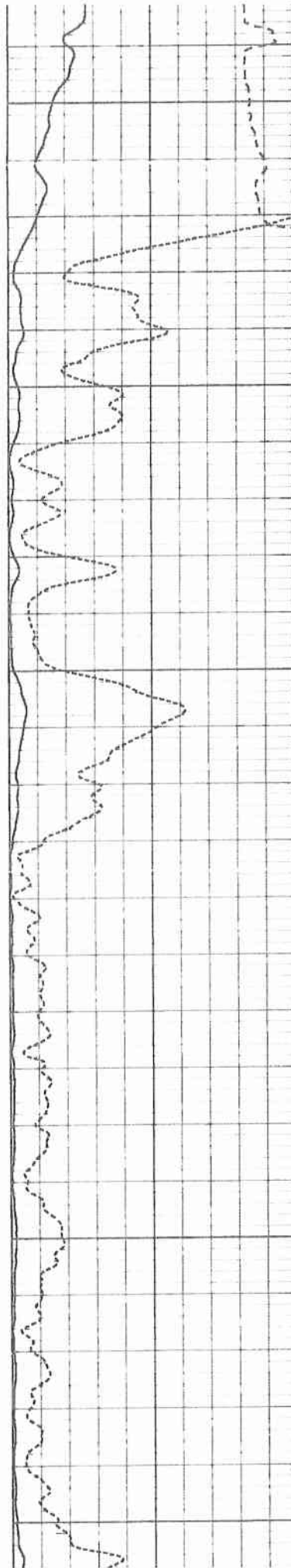
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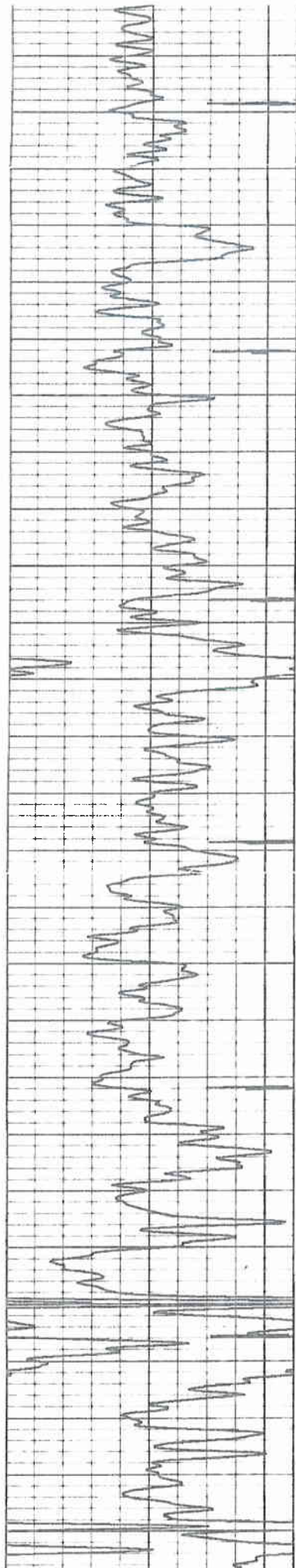




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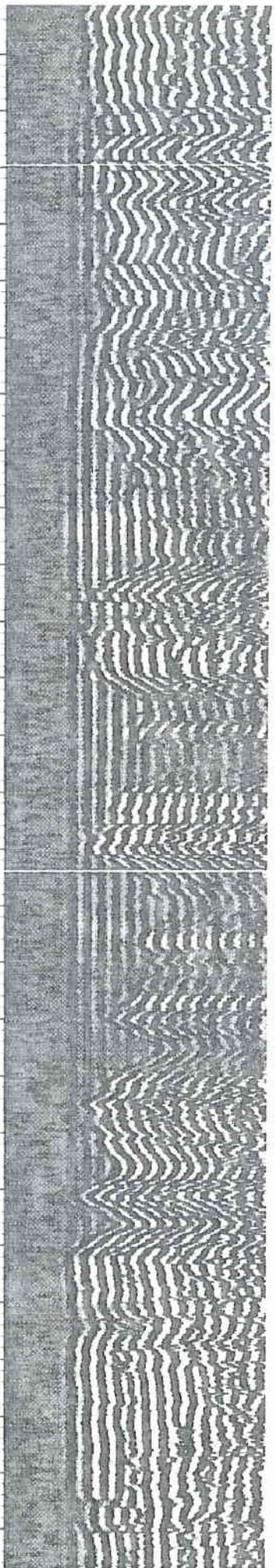
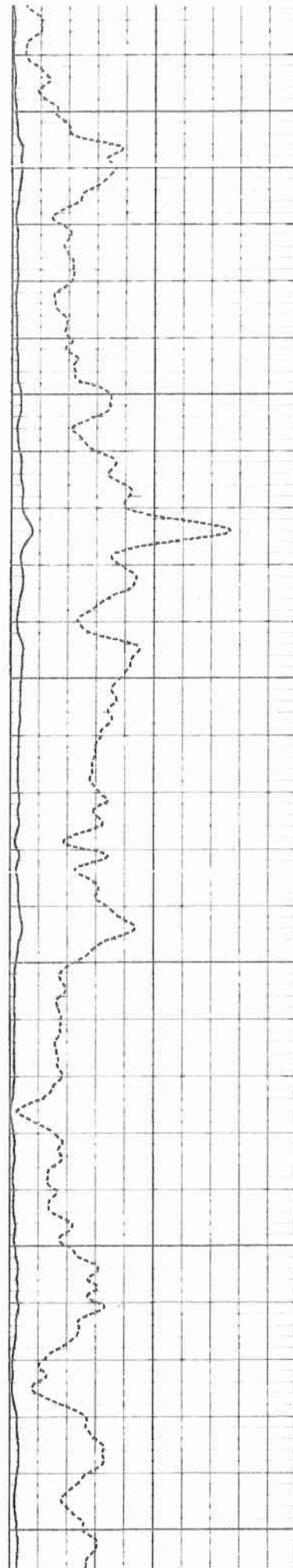
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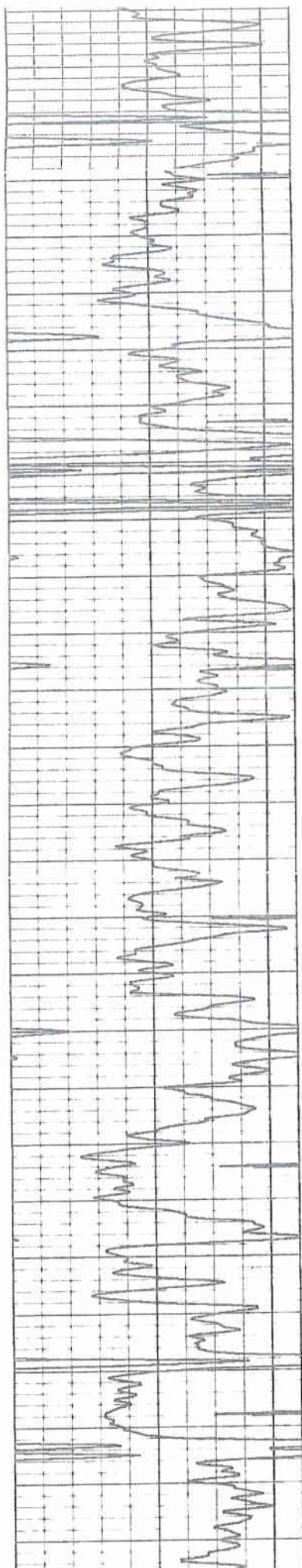
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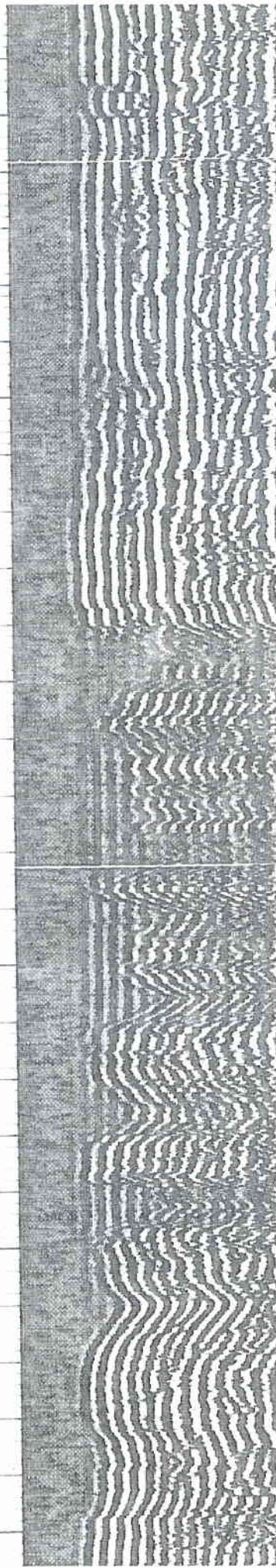
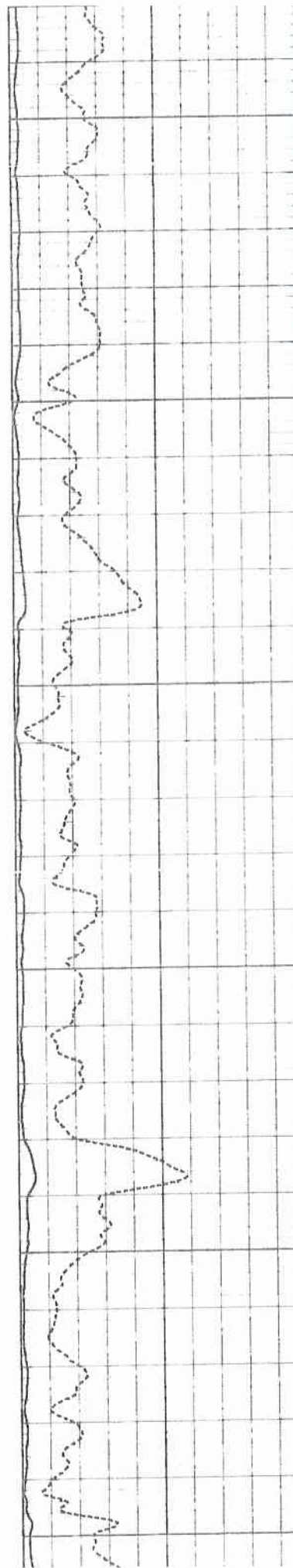
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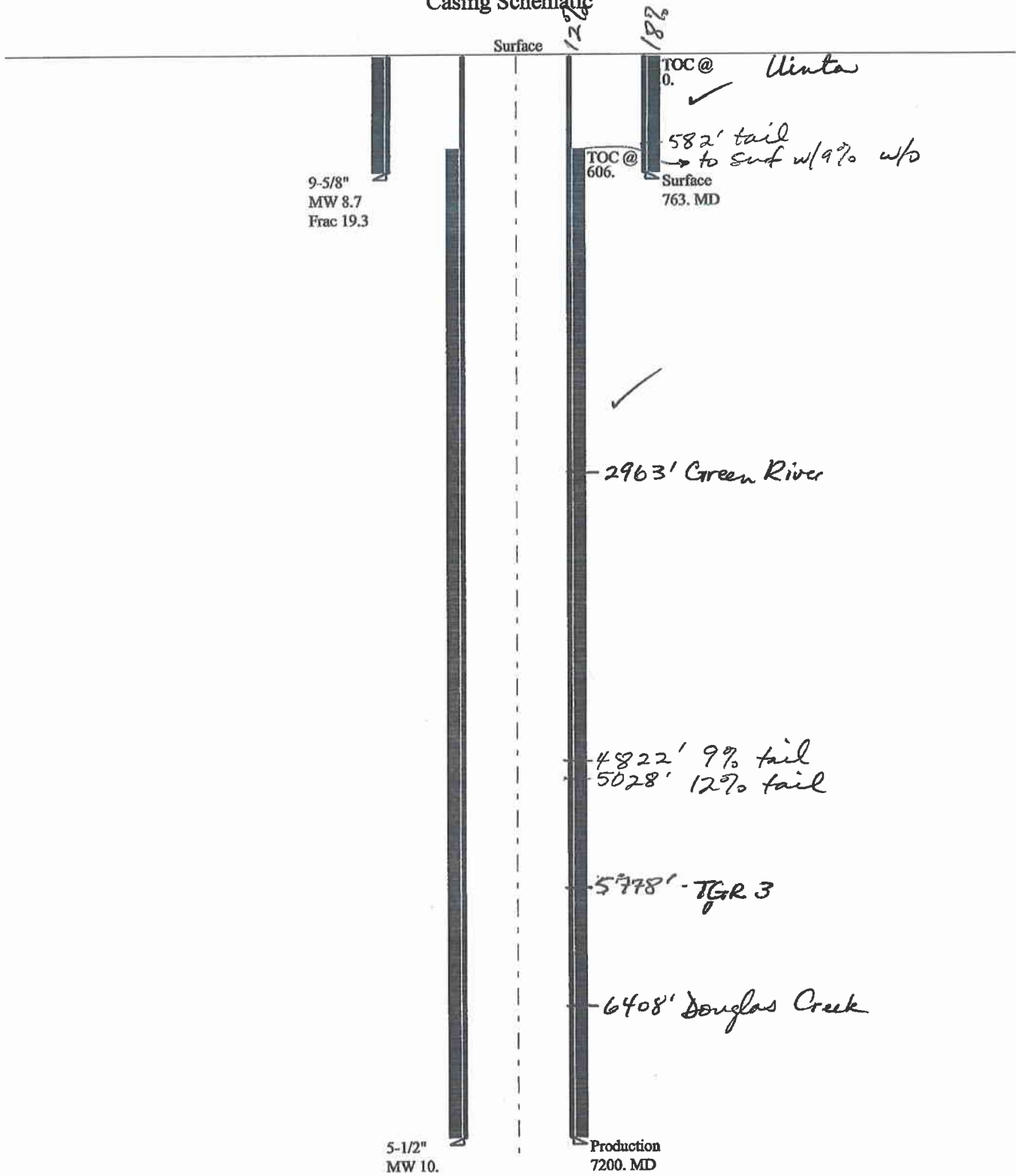
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# 2008-06 Flying J Deep creek 2-31

## Casing Schematic





CONFIDENTIAL

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

AMENDED REPORT

FORM 8

(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG																																																											
<b>1a. TYPE OF WELL</b> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____  <b>b. TYPE OF COMPLETION:</b> NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEPEN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RSVR. <input type="checkbox"/> OTHER _____ <b>2. NAME OF OPERATOR</b> Flying J Oil & Gas Inc. <b>3. ADDRESS OF OPERATOR</b> 333 W Center St North Salt Lake, Utah 84054 <b>PHONE NUMBER</b> 801-296-7700 <b>4. LOCATION OF WELL (FOOTAGES)</b> At surface 663 FNL 1977 FEL At top prod. interval reported below Same At total depth Same					<b>5. LEASE DESIGNATION AND SERIAL NO.</b> Fee																																																						
					<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b> NA																																																						
<b>7. UNIT or CA AGREEMENT NAME</b> NA <b>8. WELL NAME and NUMBER</b> Deep Creek 2-31 <b>9. API NUMBER</b> 43-047-40026 <b>10. FIELD AND POOL, OR WILDCAT</b> Wildcat <b>11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> NWNE Sec 31 T3S R2E <b>12. COUNTY</b> Uintah <b>13. STATE</b> Utah					<b>17. ELEVATIONS (DF, RKB, RT, GL):</b> 5048' KB																																																						
					<b>14. DATE SPUNDED</b> 7/3/2008 <b>15. DATE T.D. REACHED</b> 7/25/2008 <b>16. DATE COMPLETED</b> 11/6/2008 <b>ABANDONED</b> <input type="checkbox"/> <b>READY TO PRODUCE</b> <input checked="" type="checkbox"/> <b>18. TOTAL DEPTH</b> MD 7018' TVD <b>19. PLUG BACK T.D.:</b> MD 6974' TVD <b>20. IF MULTIPLE COMPLETIONS, HOW MANY?</b> NA <b>21. DEPTH BRIDGE</b> MD NA <b>PLUG SET</b> TVD																																																						
<b>22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)</b> Three Detector LithoDensity Mud Log Compensated Neutron Cement Bond Log Array Induction Gamma Ray					<b>23.</b> WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy)																																																						
<b>24. CASING AND LINER RECORD (Report all strings set in well)</b> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>HOLE SIZE</th> <th>SIZE/GRADE</th> <th>WEIGHT (#/ft)</th> <th>TOP (MD)</th> <th>BOTTOM (MD)</th> <th>STAGE CEMENTER DEPTH</th> <th>CEMENT TYPE &amp; NO</th> <th>SLURRY VOLUME (BBL)</th> <th>CEMENT TOP</th> <th>AMOUNT PULLED</th> </tr> </thead> <tbody> <tr> <td>30"</td> <td>20"</td> <td></td> <td>0</td> <td>58'</td> <td></td> <td></td> <td></td> <td>Surface</td> <td></td> </tr> <tr> <td>12 1/4"</td> <td>9 5/8" J55</td> <td>36#</td> <td>0</td> <td>772'</td> <td></td> <td>450 sks G</td> <td>92 bbls</td> <td>Surface</td> <td></td> </tr> <tr> <td>7 7/8"</td> <td>5 1/2" N80</td> <td>17#</td> <td>0</td> <td>7012'</td> <td></td> <td>360 sks Hi-Fill</td> <td>332 bbls</td> <td>1546' (CBL)</td> <td></td> </tr> <tr> <td></td> <td>&amp; K55</td> <td></td> <td></td> <td></td> <td></td> <td>320 sks ExtendaCem</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>										HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO	SLURRY VOLUME (BBL)	CEMENT TOP	AMOUNT PULLED	30"	20"		0	58'				Surface		12 1/4"	9 5/8" J55	36#	0	772'		450 sks G	92 bbls	Surface		7 7/8"	5 1/2" N80	17#	0	7012'		360 sks Hi-Fill	332 bbls	1546' (CBL)			& K55					320 sks ExtendaCem			
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<b>29. ENCLOSED ATTACHMENTS:</b> <input checked="" type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> DST REPORT <input type="checkbox"/> DIRECTIONAL SURVEY <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION <input type="checkbox"/> CORE ANALYSIS <input type="checkbox"/> OTHER _____								<b>30. WELL STATUS</b> Producing																																																			

(5/2000)

(CONTINUED ON BACK)

RECEIVED

DEC 10 2008

DIV. OF OIL, GAS &amp; MINING



## INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 11/11/2008		TEST DATE 11/16/2008		HOURS TESTED 24		TEST PRODUCTION RATES →		OIL - BBLS: 75		GAS - MCF: 9		WATER - BBLS 77		PROD METHOD: Rods							
CHOKE SIZE NA		TGB PRESS 40		CSG PRESS NA		API GRAVITY 31.9		BTU-GAS NA		GAS/OIL RATIO 120		24 HR PRODUCTION RATES →		OIL - BBLS: 75		GAS - MCF: 9		WATER - BBLS 77		INTERVAL STATUS: Open	

## INTERVAL B (As shown in item #26)

INTERVAL B (As shown in Item #26)										
DATE FIRST PRODUCED:		TEST DATE		HOURS TESTED		TEST PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	PROD METHOD:
CHOKE SIZE	TBG PRESS	CSG PRESS	API GRAVITY	BTU-GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	INTERVAL STATUS:

## INTERVAL C (As shown in item #26)

INTERVAL C (As shown in item #26)										
DATE FIRST PRODUCED:		TEST DATE		HOURS TESTED		TEST PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	PROD METHOD:
CHOKE SIZE	TBG PRESS	CSG PRESS	API GRAVITY	BTU-GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	INTERVAL STATUS:

## INTERVAL D (As shown in item #26)

INTERVAL D (As shown in item #20)										
DATE FIRST PRODUCED:		TEST DATE		HOURS TESTED		TEST PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	PROD METHOD:
CHOKE SIZE	TBG PRESS	CSG PRESS	API GRAVITY	BTU-GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	INTERVAL STATUS:

## 32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Used for Fuel

## 33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth Interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

## 34. FORMATION (Log) MARKERS:

FORMATION	TOP (MD)	BOTTOM (MD)	DESCRIPTION, CONTENTS, ETC.	NAME	TOP (Measured Depth)
				Uinta Green River Tgr 3 Marker Douglas Creek	Surface 2984' 5800' 6308'

## 35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Jordan R. NelsonTITLE Petroleum EngineerSIGNATURE DATE December 10, 2008

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation

- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples or stratigraphic tests

\*ITEM 20: Show the number of completions if production is measured separately from two or more formations

\*\*ITEM 24: Cement Top - Show how report top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS))

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940



**ATTACHMENT B3**

**DEEP CREEK 2-31**

**CEMENT BOND LOG & SCHEMATIC**



# CASEDHOLE SOLUTIONS

## CEMENT BOND LOG

Company		FLYING J OIL & GAS	
Well		DEEP CREEK 2-31	
Field		RANDELETT	
County		UNITAH	
State		UTAH	
Location:		663 FNL 1977 FEL (NW1/4)	
AP#:		43-04-40026	
City/Services			
SEC 31		TWP 3S RGE 2E	
Permanent Datum		GROUND LEVEL Elevation 5000	
Log Measured From		KB= 18' ABOVE G.L.	
Drilling Measured From		FLY BUSH 3	
Date		10-23-2008	
Run Number		ONE	
Depth Driller		6926'	
Depth Logger		6942'	
Bottom Logged Interval		6934'	
Top Log Interval		7 876'	
Casing Hole Size		WATER	
Type Fluid			
Density / Viscosity			
Max Recorded Temp.			
Estimated Cement Top		1546'	
Time Well Read		8:30	
Time Logger on Bottom		9:15	
Equipment Number		112	
Location		VERNAL UTAH	
Recorded By		MICHAEL CAMBRIDGE	
Witnessed By		GORDON BASTIAN	
Run Number		Borehole Record	
Bit		From To Size Weight From To	
Casing Record		Size Depth Top Bottom	
Surface String		9.625" SURFACE	
Prod. String			

Fold Here

pretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or uses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

### Comments

CORRELATED TO SCHLUMBERGER COMPENSATED NEUTRON LOG  
DATED 7-25-2008

SHORT JOINT 5777'-5797', 2927'-2946

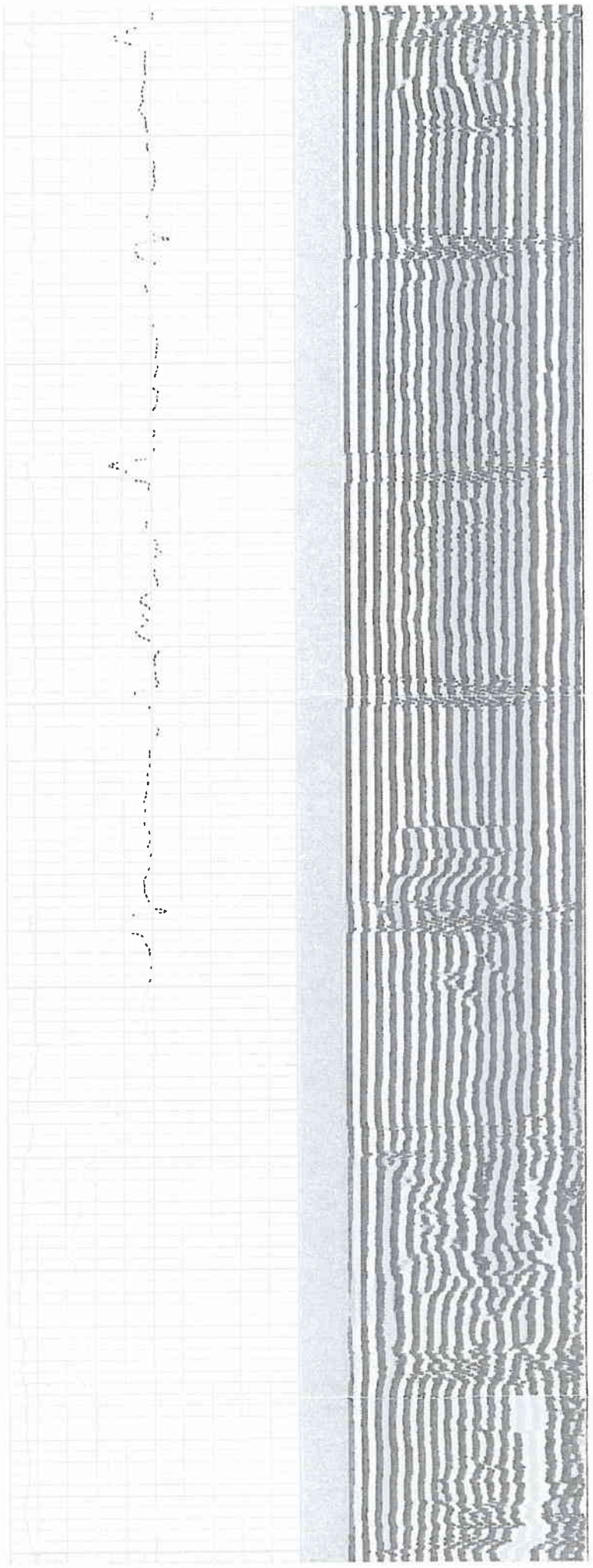
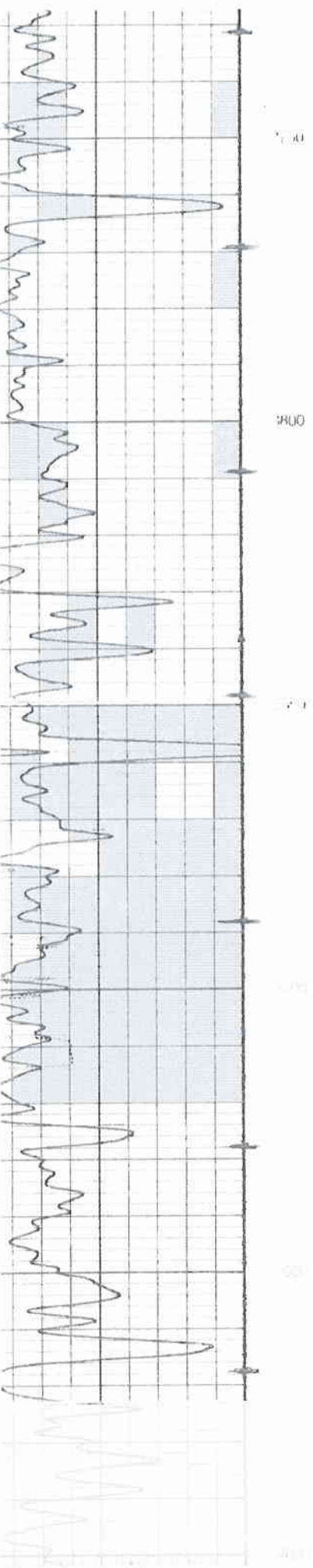
# CASEDHOLE SOLUTIONS

## MAIN PASS 500# P.S.I.

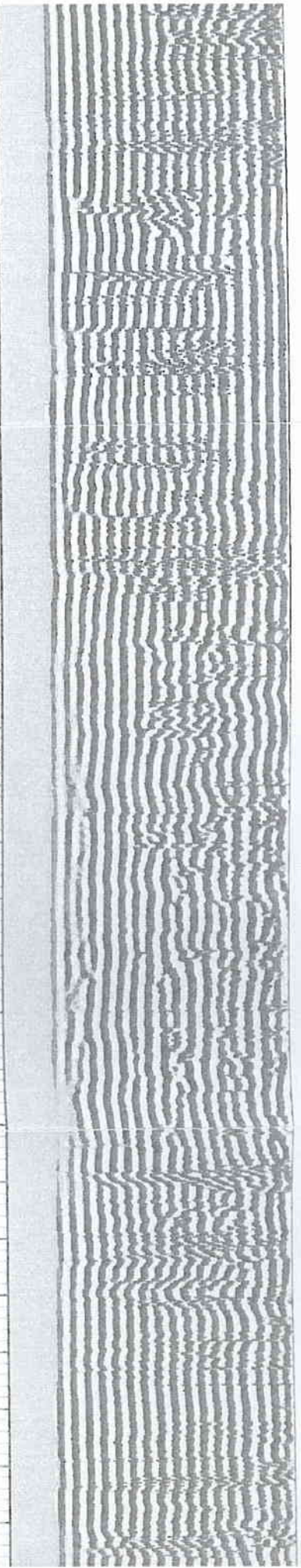
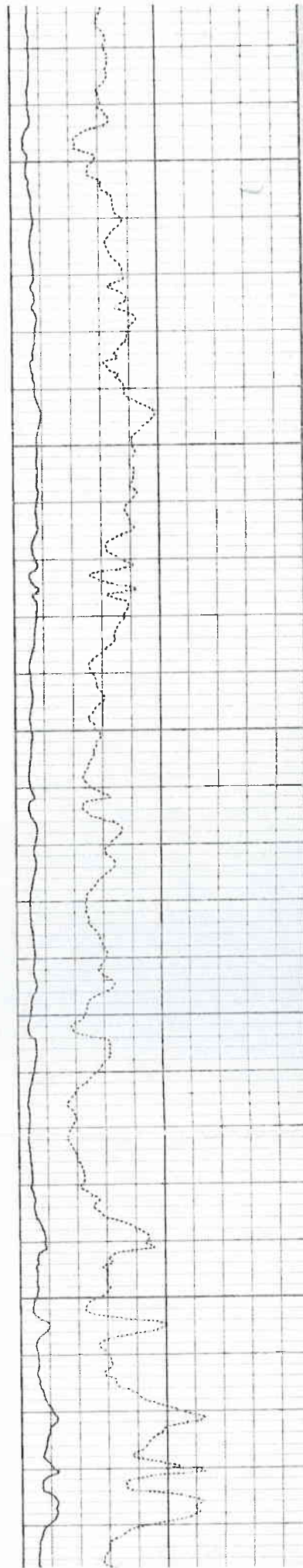
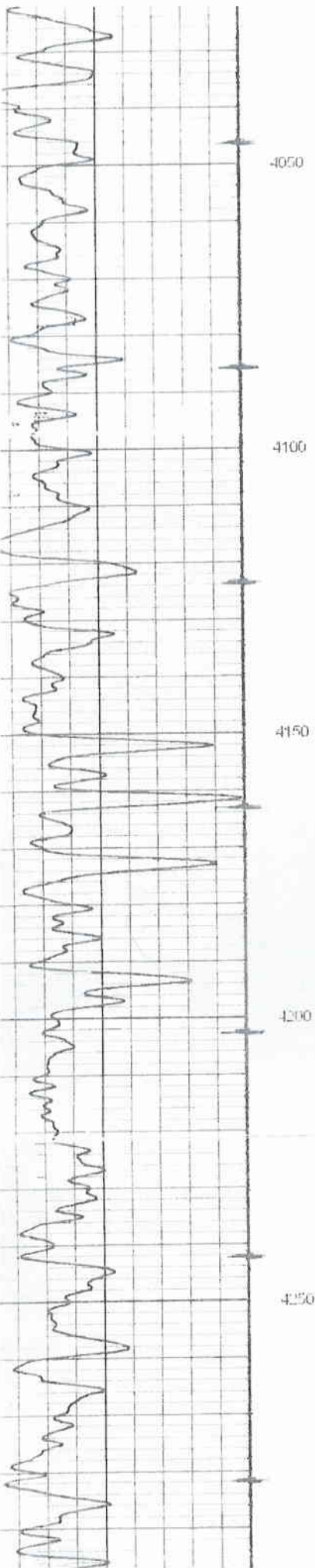
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 set Creation: Thu Oct 23 13:02:53 2008 by Calc Std Casedhole 07081  
 ted by: Depth in Feet scaled 1:240

Gamma Ray (GAPI)	150	0	Amp Amplitude (mV)	20/200	Variable Density	1200
TT3 (usec)	240	0	Amplitude 3ft (mV)	100		
	10 CCL -10					

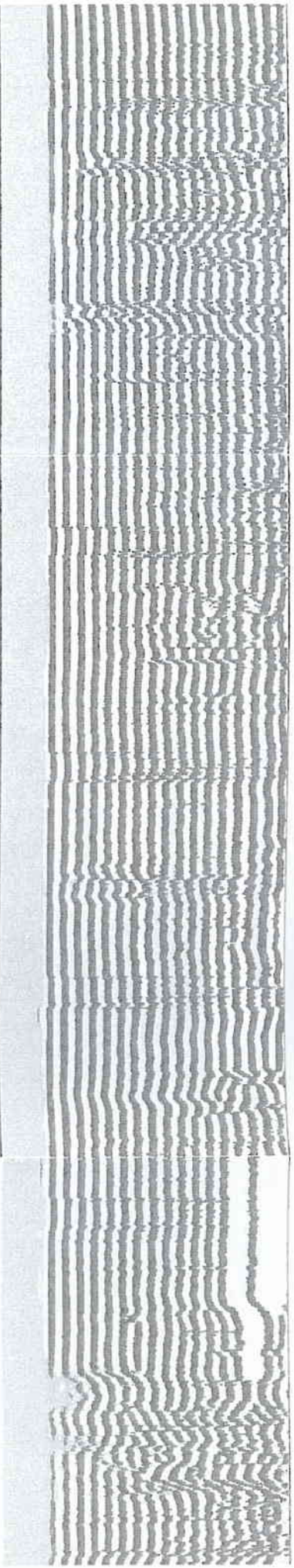
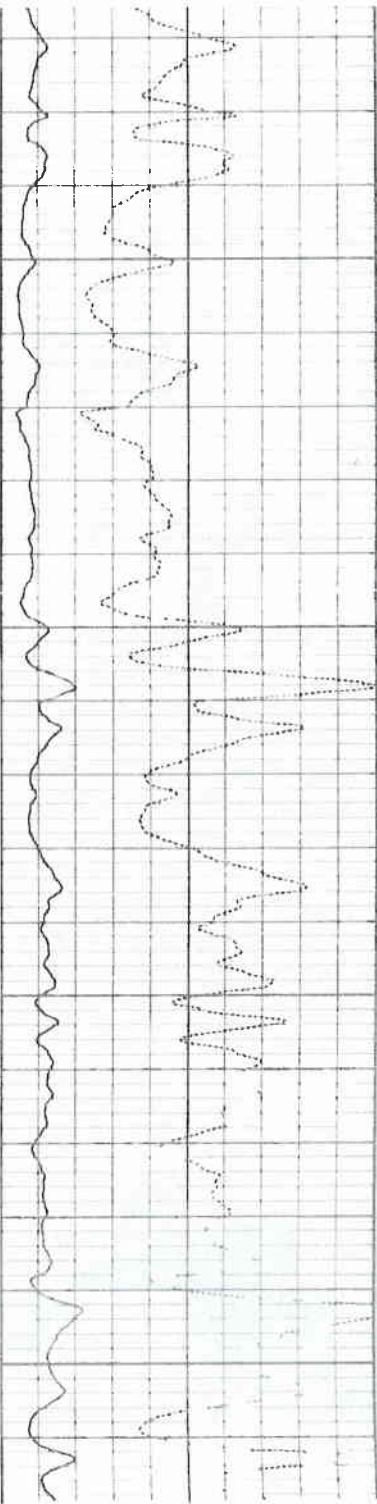
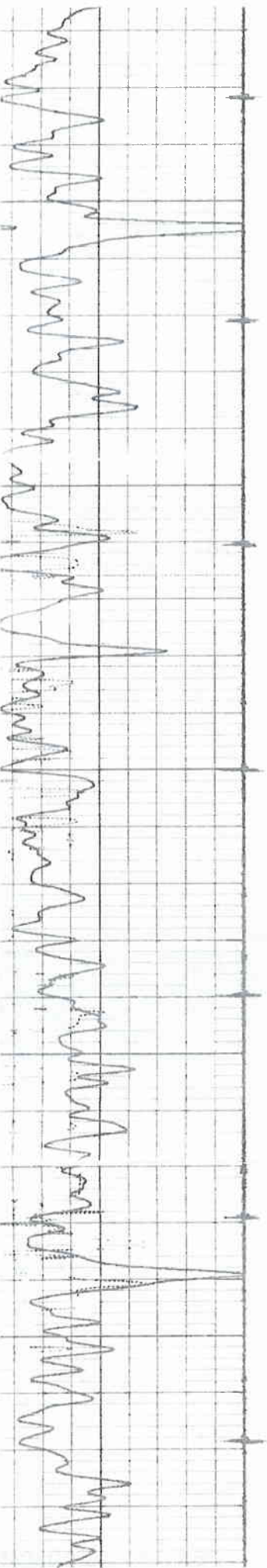




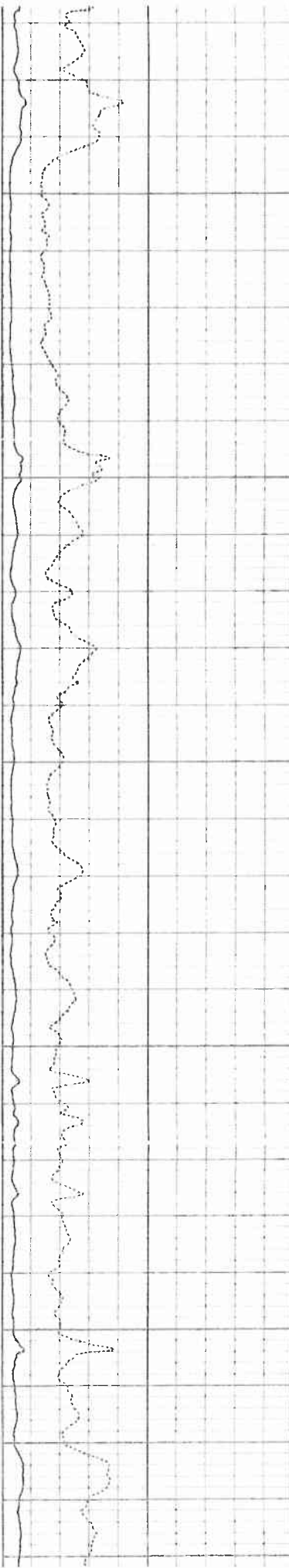
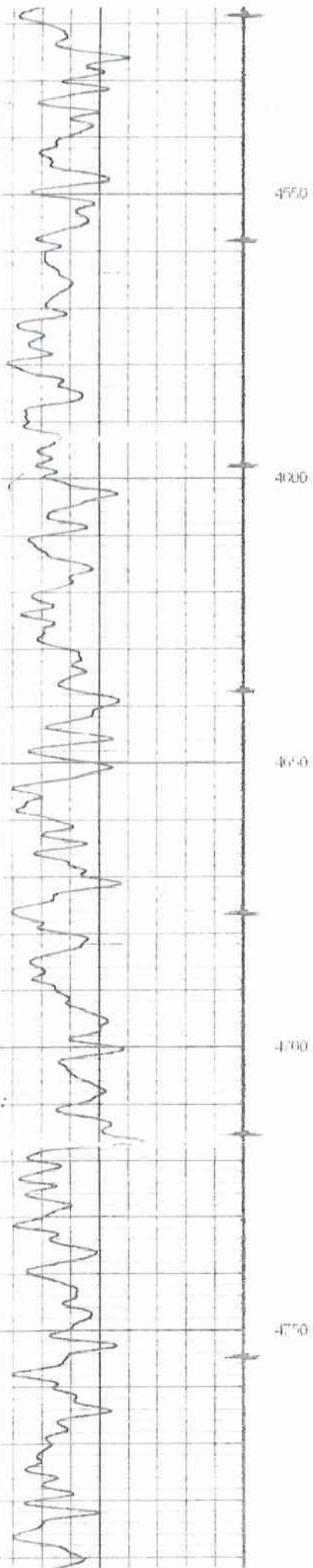




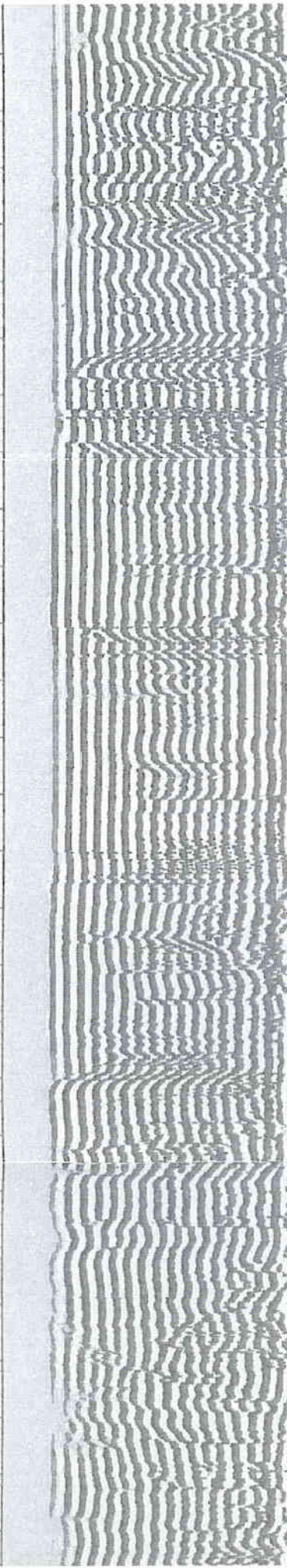
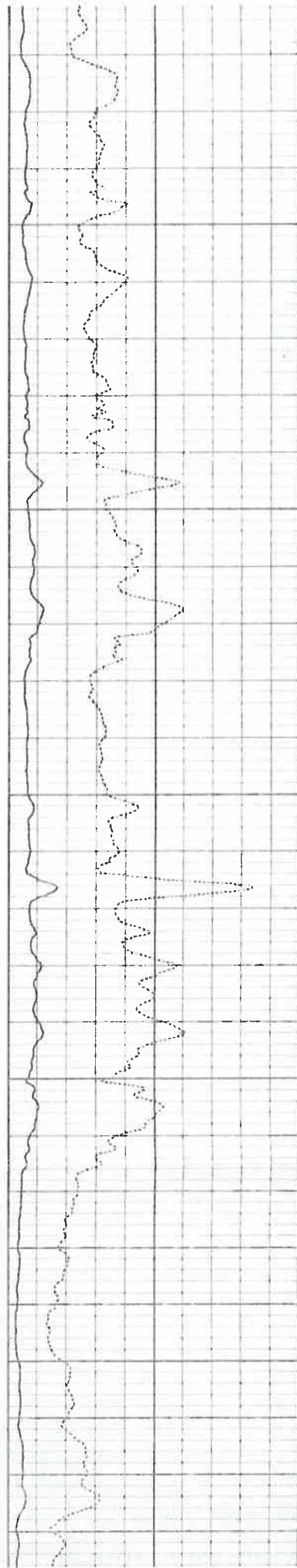
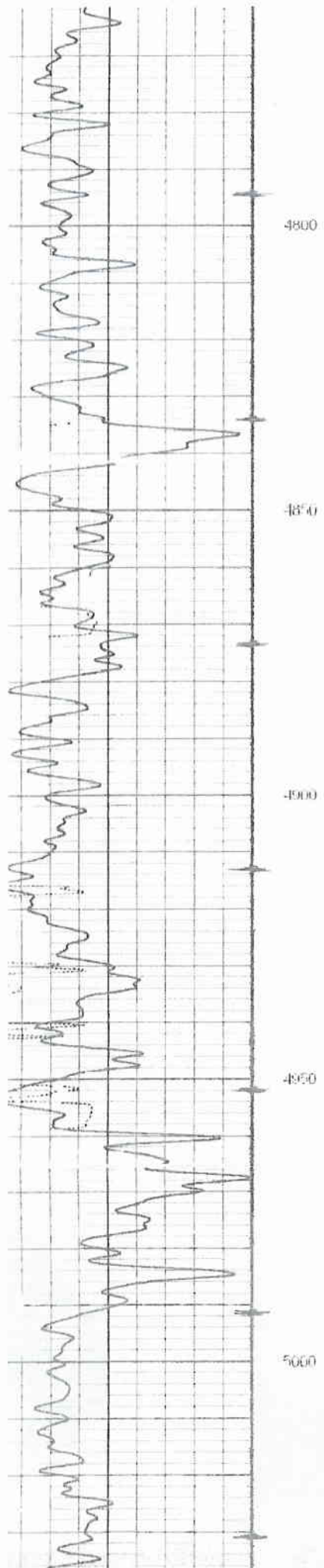




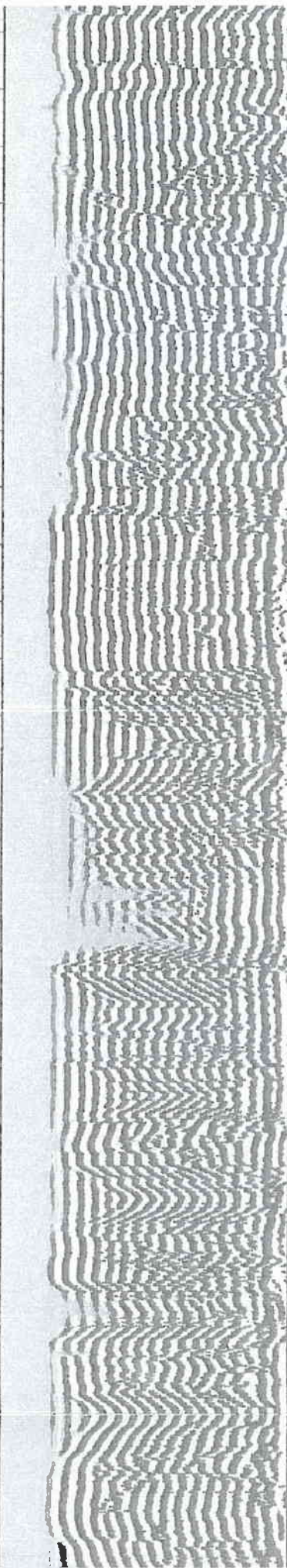
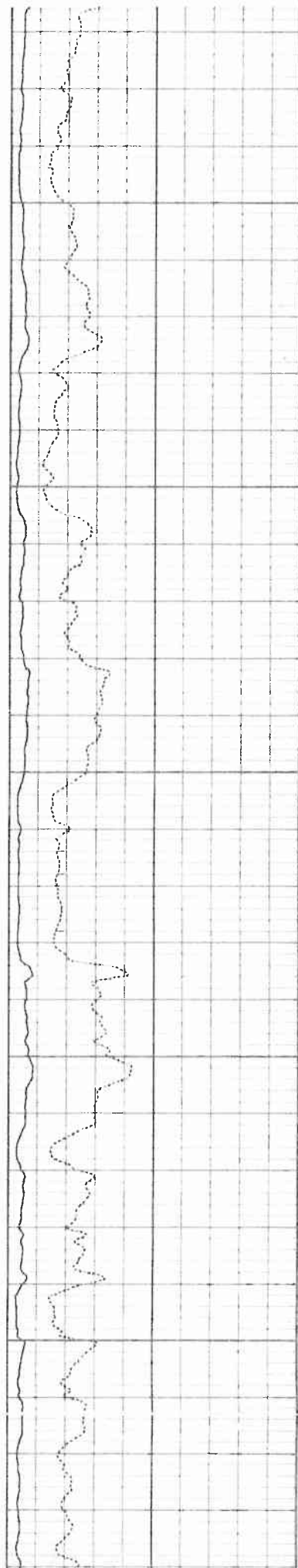
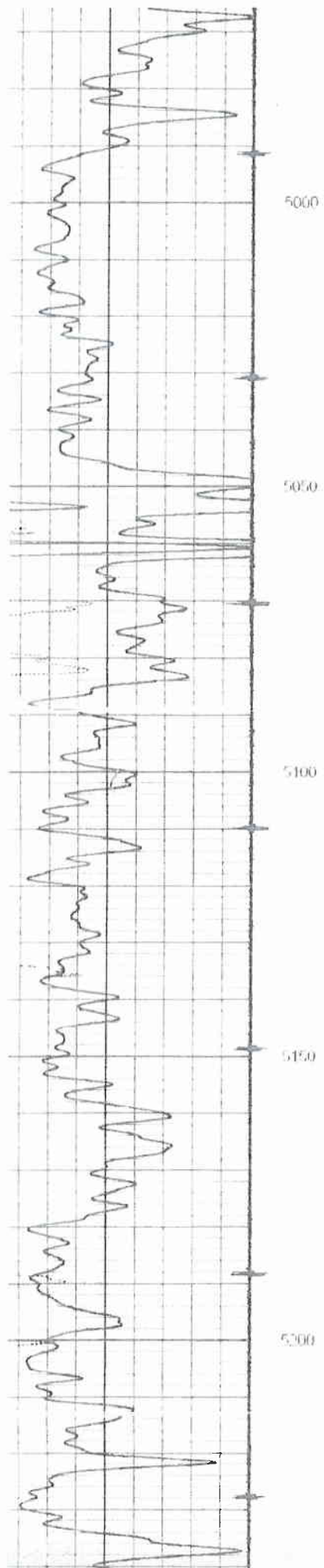
















DESCRIPTION DEPTH WELLBORE WELL HISTORY

20" Conductor 58'

9-5/8" Surface Casing (12-1/4" Hole)  
23 Jts 9-5/8" 36# J-55 STC 754'

9-5/8" Surface Casing Cementing  
Lead: 450 sxs 92 bbls Cmt Top  
Surface

2-3/8" 4.7# N-80 8rd EUE Tubing Detail as of			
Item	Description	Length	Depth
	RKB		
	Tubing Spool to Ground Level Adjustment		
	Tubing Spool to Original RKB Adjustment		
7	WHI 2-1/16" x 5M Tapered Tubing Hanger		0.00'
6	2-3/8" 4.7# N-80 8rd EUE		0.00'
5	Otis Type 2-3/8" 8rd "XN" profile (No-Go = 1.85")		0.00'
4	2-3/8" 4.7# N-80 8rd EUE		0.00'
3	Otis Type 2-3/8" 8rd "XN" profile (No-Go = 1.791")		0.00'
2	2-3/8" 4.7# N-80 8rd EUE		0.00'
1	2-3/8" 8rd NW machine Pump-Off sub		0.00'
	0 Jts		0.00'
	End of Tubing	0.00'	0.00'
	CBL		1,546'

#  
#

Oct 2008	Open	L. Green River	4" HSC: 23g; ph = 1200; d = 0.42"	15 shots 3 spf 5'	6,174'	6,179'	64,500# 20/40	537 bbls	ISIP: 0 psi	0.00 psi/ft	CBP: 0'	20# X-Linked Borate Gell Job, White Sand
				15 shots 3 spf 5'	6,181'	6,186'						
Oct 2008	Open	L. Green River	4" HSC: 23g; ph = 1200; d = 0.42"	12 shots 3 spf 4'	6,533'	6,537'	101,500# 20/40	749 bbls	ISIP: 0 psi	0.00 psi/ft	CBP: 0'	20# X-Linked Borate Gell Job, White Sand
				15 shots 3 spf 5'	6,545'	6,550'						
				9 shots 3 spf 3'	6,559'	6,562'						
Oct 2008	Open Open Open Open	L. Green River	4" HSC: 23g; ph = 1200; d = 0.42"	15 shots 3 spf 5'	6,745'	6,750'	89,760# 20/40	616 bbls	ISIP: 0 psi	0.00 psi/ft	CBP: 0'	20# X-Linked Borate Gell Job, White Sand
				3 shots 3 spf 1'	6,819'	6,820'						
				12 shots 3 spf 4'	6,845'	6,849'						
				6 shots 3 spf 2'	6899	6901						

5-1/2" 17# N-80 & P-110 Production Casing  
5-1/2" 17# N-80 & K-55 LTC 7,012'  
7-7/8" Production Hole: 754' 7,018'

5-1/2" Production Casing Cementing  
Lead: 360 sxs 332 bbls Hi-Fill  
Tail: 400 sxs ExtendaCem Cmt Top  
1,546'

PBTD: 6,974'  
MW:

WELL: Deep Creek 2-31  
LOCATION: NWNE 31 3S 2E  
FNL: 663' FEL: 1,977' GL: 5,030' KB: 5,048'  
FORMATION: Lower Green River  
API #: 43-047-40026  
Field: Randlett  
CLASSIFICATION: Oil Well  
CURRENT STATUS: Producing

WI: Spud: 07/03/08 Rig: Pioneer #59  
NRI: TD: 07/25/08 Rate:  
RR: 07/27/08  
1st Sales: 11/11/08  
Updated: 03/21/11 CRB

TUBULAR DATA							
Type	Size	Weight	Grade	Top	Bottom	Burst	Collapse
Surface	9 5/8	36.0 ppf	J-55	0	754'	3,520 psi	2,020 psi
Production	5 1/2"	17.0 ppf	HCP-110	0	7,018'	10,640 psi	8,580 psi
Tubing	2 7/8	6.5 ppf		0		11,200 psi	11,780 psi
Surface	9 5/8	36.0 ppf	J-55	ID 8.921"	Drift 8.765"	bbls/ft 0.0773 bpf	Capacity 58 bbls
Production	5 1/2	17.0 ppf	HCP-110	4.892"	4.767"	0.0232 bpf	163 bbls
Tubing	2 7/8	6.5 ppf	0			0.0000 bpf	0 bbls

DEVIATION SURVEY  
Depth Angle Dir TVD North East VS DLS

1.) Decline looks normal, no drops  
- Shoot fluid level, and pull pump card



# 2006-10 Flying J Knight 1-30

## Casing Schematic

BHP  
 $(0.052) 7000 (9) = 3276 \text{ psi}$   
 Anticipate!

9-5/8"  
 MW 8.6  
 Frac 19.3

Gas  
 $(1.12) 7000 = 840$   
 $3276 - 840 = 2436 \text{ psi, MASP}$

BOPE = 3M ✓

Burst 3520  
 20% = 2464

Max @ csg shoe  
 $6250 (.22) = 1375$   
 $3276 - 1375 = 1901 \text{ psi}$

test to 1900 psi ✓  
 (± 1600 psi surf press.)

✓ Adequate Dues 10/6/05

5-1/2"  
 MW 9.

Surface

12.8'

19.1'

TOC @ 0.

Uinta

569' TOC tail ✓

Surface  
 750. MD

TOC @ 920.

2200' BMSW

3036' Green River

5860' Tgr3 Marker

6103' TOC tail

6350' Douglass Creek Member

Production  
 7000. MD



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

AMENDED REPORT ☐ FORM 8  
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		6. LEASE DESIGNATION AND SERIAL NO. Fee	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEPEN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RSVR. <input type="checkbox"/> OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Flying J Oil & Gas Inc		7. UNIT OR CA AGREEMENT NAME	
3. ADDRESS OF OPERATOR PO Drawer 130 Roosevelt, Utah 84066		8. WELL NAME and NUMBER Knight 14-30	
PHONE NUMBER 435-722-5166		9. API NUMBER 43-047-38501	
4. LOCATION OF WELL (FOOTAGES) At surface 660 FSL 2180 FWL At top prod. interval reported below Same At total depth Same		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW Sec 30 T3S R2E	
		12. COUNTY Uintah	13. STATE UTAH
14. DATE SPUDDED 12/12/2006	15. DATE T.D. REACHED 12/24/2006	16. DATE COMPLETED ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>	
17. ELEVATIONS (DF, RKB, RT, GL): 5036' GLE		21. DEPTH BRIDGE MD PLUG SET TVD N/A	
18. TOTAL DEPTH MD 6913' TVD	19. PLUG BACK T.D.: MD 6846' TVD	20. IF MULTIPLE COMPLETIONS, HOW MANY? N/A	
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) Mud Log Density - Porosity Gamma Ray Cement Bond Log Array Induction		23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy)	

24. CASING AND LINER RECORD (Report all strings set in well)							
HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO	SLURRY VOLUME (BBL)
17 1/2"	16"	55#	0	35		50	
12 1/4"	9 5/8" P110	43.5#	0	750		330	
7 7/8"	5 1/2" N80	17#	0	6901		1080	

25 TUBING RECORD							
SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)
2 3/8	6783.66	NA					

26. PRODUCING INTERVALS						27. PERFORATION RECORD		
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot-MD)	SIZE	NO HOLES	PERFORATION STATUS
(A) Douglas Creek	6222'	6718'			6712' - 6718'	3 3/8	19	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)					6697' - 6701'	3 3/8	13	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C)					6684' - 6690"	3 3/8	19	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(D)					6599' - 6603' & 6514' - 6517	3 3/8	23	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
					6222' - 6228'	3 3/8	9	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
6712' - 6718', 6684' - 6690', 6697' - 6701'	1350 bbls fluid with 20/40 sand, 100,700 # sand total
6514' - 6603'	1242 bbls fluid with 20/40 sand, 104,700 # sand total
6222' - 6228'	734 bbls fluid with 20/40 sand, 40480 # sand total

29. ENCLOSED ATTACHMENTS:				30. WELL STATUS
<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS	<input type="checkbox"/> GEOLOGIC REPORT	<input type="checkbox"/> DST REPORT	<input type="checkbox"/> DIRECTIONAL SURVEY	
<input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION	<input type="checkbox"/> CORE ANALYSIS	<input type="checkbox"/> OTHER		

(5/2000)

(CONTINUED ON BACK)

RECEIVED  
JUN 11 2007  
DIV. OF OIL, GAS & MINING



INTERVAL A (As shown in item #26)										
DATE FIRST PRODUCED: 5/12/2007		TEST DATE 5/14/2007		HOURS TESTED 24		TEST PRODUCTION RATES →	OIL - BBLS: 70	GAS - MCF: 0	WATER - BBLS 70	PROD METHOD: Rods
CHOKE SIZE NA	TSG PRESS 10	CSG PRESS 5	API GRAVITY 38.5	BTU-GAS NA	GAS/OIL RATIO NA	24 HR PRODUCTION RATES →	OIL - BBLS: 70	GAS - MCF: 0	WATER - BBLS 70	INTERVAL STATUS: Open

INTERVAL B (As shown in item #26)										
DATE FIRST PRODUCED:		TEST DATE		HOURS TESTED		TEST PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	PROD METHOD:
CHOKE SIZE	TBG PRESS	CSG PRESS	API GRAVITY	BTU-GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	INTERVAL STATUS:

INTERVAL C (As shown in item #26)										
DATE FIRST PRODUCED:		TEST DATE		HOURS TESTED		TEST PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	PROD METHOD:
CHOKE SIZE	TBG PRESS	CSG PRESS	API GRAVITY	BTU-GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	INTERVAL STATUS:

INTERVAL D (As shown in Item #26)										
DATE FIRST PRODUCED:		TEST DATE		HOURS TESTED		TEST PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	PROD METHOD:
CHOKE SIZE	TBG PRESS	CSG PRESS	API GRAVITY	BTU-GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES →	OIL - BBLS:	GAS - MCF:	WATER - BBLS	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Used for fuel

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

34. FORMATION (Log) MARKERS:

FORMATION	TOP (MD)	BOTTOM (MD)	DESCRIPTION, CONTENTS, ETC.	NAME	TOP (Measured Depth)
				Uinta Green River Tgr 3 Marker Douglas Creek	Surface 3044 5858 6353

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Larry Rich

TITLE Production Superintendent

SIGNATURE

*Larry Rich*

DATE June 7, 2007

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation

- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\*ITEM 20: Show the number of completions if production is measured separately from two or more formations

\*\*ITEM 24: Cement Top - Show how report top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS))

Send to: Utah Division of Oil, Gas and Mining  
1694 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

AMENDED REPORT FORM 8

(highlight changes)

<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>				5. LEASE DESIGNATION AND SERIAL NO. <b>Fee</b>	
1a. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____  b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEPEN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RSVR. <input type="checkbox"/> OTHER _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
				7. UNIT or CA AGREEMENT NAME	
2. NAME OF OPERATOR <b>Flying J Oil &amp; Gas Inc</b>				8. WELL NAME and NUMBER <b>Knight 14-30</b>	
3. ADDRESS OF OPERATOR <b>333 W Center St North Salt Lake, Utah 84054</b>			PHONE NUMBER <b>801-296-7700</b>		9. API NUMBER <b>43-047-38501</b>
4. LOCATION OF WELL (FOOTAGES) At surface <b>660 FSL 2180 FWL</b> At top prod. interval reported below <b>Same</b> At total depth <b>Same</b>				10. FIELD AND POOL, OR WILDCAT <b>Wildcat</b>	
				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SESW Sec 30 T3S R2E</b>	
14. DATE SPUDDED <b>12/12/2006</b>		15. DATE T.D. REACHED <b>12/23/2006</b>		16. DATE COMPLETED <b>5/11/2007</b> ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>	
17. ELEVATIONS (DF, RKB, RT, GL): <b>5054' KB</b>		18. TOTAL DEPTH MD <b>6913'</b> TVD _____			
19. PLUG BACK T.D.: MD <b>6846'</b> TVD _____		20. IF MULTIPLE COMPLETIONS, HOW MANY? <b>N/A</b>		21. DEPTH BRIDGE MD PLUG SET TVD <b>N/A</b>	
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) Mud Log <b>Density - Porosity Gamma Ray</b> Cement Bond Log Array Induction				23. WAS WELL CORED? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy)	

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO	SLURRY VOLUME (BBL)	CEMENT TOP	AMOUNT PULLED
17 1/2"	16"	55#	0	35'		50 sks	10.3 BBL	Surface	
12 1/4"	9 5/8" J55	36#	0	751'		330 sks G	68.2 BBL	Surface	
7 7/8"	5 1/2" N80	17#	0	6901'		770 sks G	608.0 BBL	2660' (CBL)	
					310 sks 50/50 poz G				

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	6784'	NA						

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot-MD)	SIZE	NO HOLES	PERFORATION STATUS
(A) L. Green River	6222'	6718'			6712' - 6718'	0.56"	19	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)					6697' - 6701'	0.56"	13	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C)					6684' - 6690'	0.56"	19	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(D)					6599' - 6603' & 6514' - 6617'	0.56"	23	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
					6222' - 6228'	0.56"	9	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
6712' - 6718', 6684' - 6690', 6697' - 6701'	51,276 gal YF120ST gel with 20/40 sand, 100,700 # sand total
6514' - 6517', 6599' - 6603'	46,110 gal YF120ST gel with 20/40 sand, 104,700# sand total
6222' - 6228'	28,225 gal YF120ST gel with 20/40 sand, 40,480# sand total

29. ENCLOSED ATTACHMENTS:

<input checked="" type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> DST REPORT <input type="checkbox"/> DIRECTIONAL SURVEY <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION <input checked="" type="checkbox"/> CORE ANALYSIS <input type="checkbox"/> OTHER _____				30. WELL STATUS

(5/2000)

(CONTINUED ON BACK)

**RECEIVED**

**JUL 13 2007**

DIV. OF OIL, GAS & MINING



## INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED: 5/12/2007	TEST DATE 5/14/2007	HOURLY TESTED 24	TEST PRODUCTION RATES →	OIL - BBLs: 70	GAS - MCF: 41	WATER - BBLs 70	PROD METHOD: Rods
CHOKE SIZE NA	TBG PRESS 10	CSG PRESS 5	API GRAVITY 29.5	BTU-GAS NA	GAS/OIL RATIO NA	24 HR PRODUCTION RATES →	INTERVAL STATUS: Open

## INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED:	TEST DATE	HOURLY TESTED	TEST PRODUCTION RATES →	OIL - BBLs:	GAS - MCF:	WATER - BBLs	PROD METHOD:
CHOKE SIZE	TBG PRESS	CSG PRESS	API GRAVITY	BTU-GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES →	INTERVAL STATUS:

## INTERVAL C (As shown in Item #26)

DATE FIRST PRODUCED:	TEST DATE	HOURLY TESTED	TEST PRODUCTION RATES →	OIL - BBLs:	GAS - MCF:	WATER - BBLs	PROD METHOD:
CHOKE SIZE	TBG PRESS	CSG PRESS	API GRAVITY	BTU-GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES →	INTERVAL STATUS:

## INTERVAL D (As shown in Item #26)

DATE FIRST PRODUCED:	TEST DATE	HOURLY TESTED	TEST PRODUCTION RATES →	OIL - BBLs:	GAS - MCF:	WATER - BBLs	PROD METHOD:
CHOKE SIZE	TBG PRESS	CSG PRESS	API GRAVITY	BTU-GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES →	INTERVAL STATUS:

## 32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Used for Fuel

## 33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

## 34. FORMATION (Log) MARKERS:

FORMATION	TOP (MD)	BOTTOM (MD)	DESCRIPTION, CONTENTS, ETC.	NAME	TOP (Measured Depth)
				Uinta Green River Tgr 3 Marker Douglas Creek	Surface 3044' 5858' 6353'

## 35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

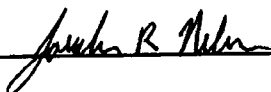
NAME (PLEASE PRINT)

Jordan R. Nelson

TITLE

Petroleum Engineer

SIGNATURE



DATE

July 12, 2007

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation

- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples or stratigraphic tests

\*ITEM 20: Show the number of completions if production is measured separately from two or more formations

\*ITEM 24: Cement Top - Show how report top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS))

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940



**ATTACHMENT B4**

**KNIGHT 14-30**

**CEMENT BOND LOG & SCHEMATIC**



Schlumberger

Company: FLYING J OIL AND GAS INC.

Well: KNIGHT 14-30

Field: RANDLETT

County: UTAH

State: UTAH

## CEMENT BOND LOG

GAMMA RAY  
COLLAR LOG

218' FSL &amp; 660' FEL

Elev.: K.B. 5053 ft  
G.L. 5036 ft  
D.F. 5052 ft

## LOCATION

Permanent Datum: GROUND LEVEL  
Log Measured From: KELLY BUSHING  
Drilling Measured From: KELLY BUSHING  
Elev.: 5036 ft  
17.0 ft above Perm. DatumCountry: UTAH  
Field: RANDLETT  
Location: 218' FSL & 660' FEL  
Well: KNIGHT 14-30  
Company: FLYING J OIL AND GAS INC.

Logging Date	25-Apr-2007	API Serial No.	4304738501	Section	30	Township	3S	Range	2E
Run Number	1	Depth Driller	6913 ft	Schlumberger Depth	6946 ft	Bottom Log Interval	6944 ft	Top Log Interval	2500 ft
Casing Fluid Type	WATER	Salinity		Density	8.4 lbm/gal	Fluid Level	17 ft	BIT/CASING/TUBING STRING	
Bit Size	7.875 in	From	17 ft	To	6946 ft	Casing/Tubing Size	5.500 in	Weight	17 lbm/ft
Grade	17 ft	From	6946 ft	To	165 degF	Maximum Recorded Temperatures	165 degF	Logger On Bottom	25-Apr-2007
Unit Number	160	Location	VERNAL, UT	Recorded By	CALEB THOMAS	Witnessed By	LARRY RICH	Time	7:43

MAXIS Field Log

Company: FLYING J OIL AND GAS INC.

Well: KNIGHT 14-30

## Output DLIS Files

DEFAULT

SCMT\_PSP\_009LUP

FN:8

PRODUCER 25-Apr-2007 09:26

## OP System Version: 14C0-302

MCM

SCMT-CB

14C0-302

PSPT-A/B

14C0-302

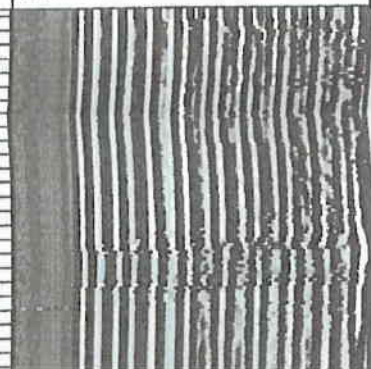
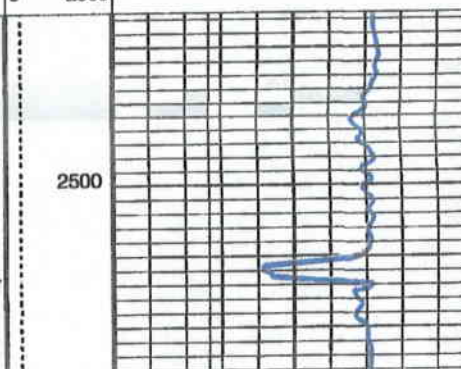
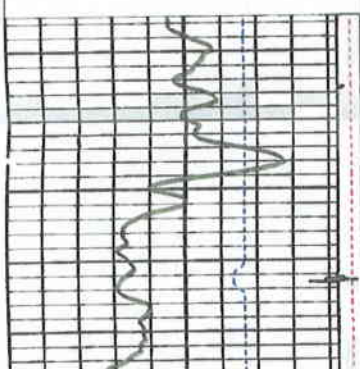
## PIP SUMMARY

Time Mark Every 60 S

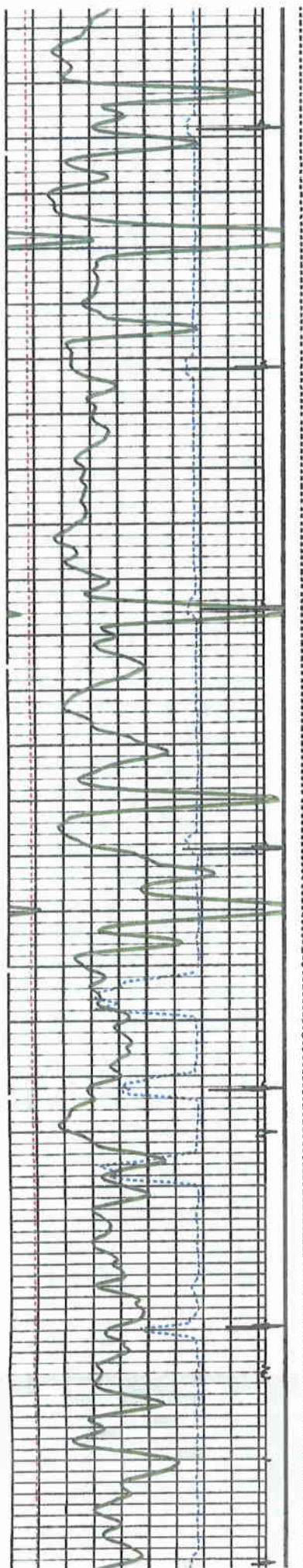
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Discriminated CCL (CCLD) (V)	-1
Well Temperature (WTEP) (DEGF)	300
Cbl 3-ft Transit Time (TT) (US)	200

> 80% BOND From ACBL to GOBO	
Good Bond (GOBO) (MV)	10
CBL Amplitude (CBL) (MV)	100
CBL Amplitude (CBL) (MV)	20
Tension (TENS) (LBF)	2000

Min	Amplitude	Max
200	VDL Variable Density (VDL) (US)	1200



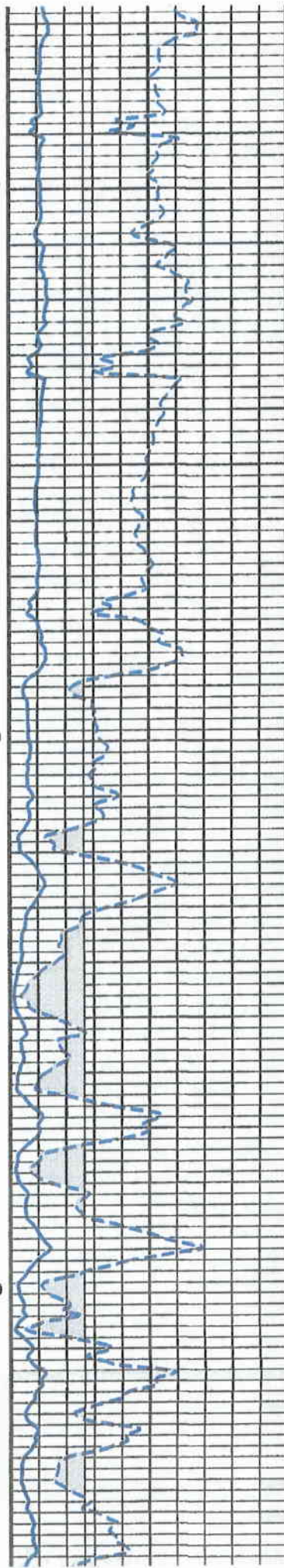




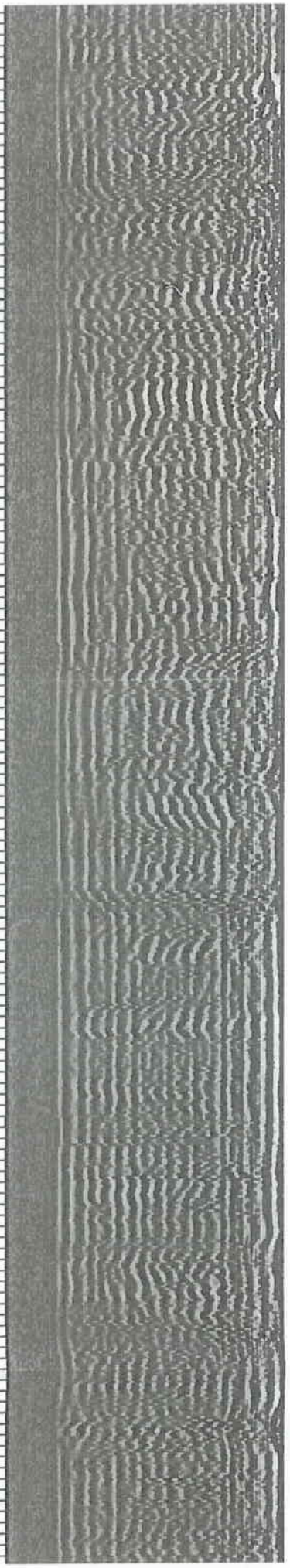
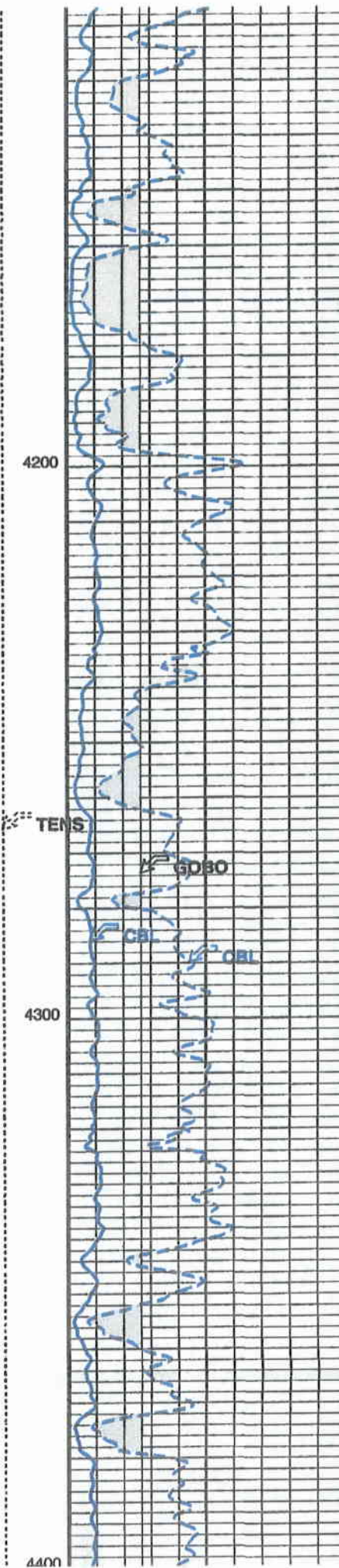
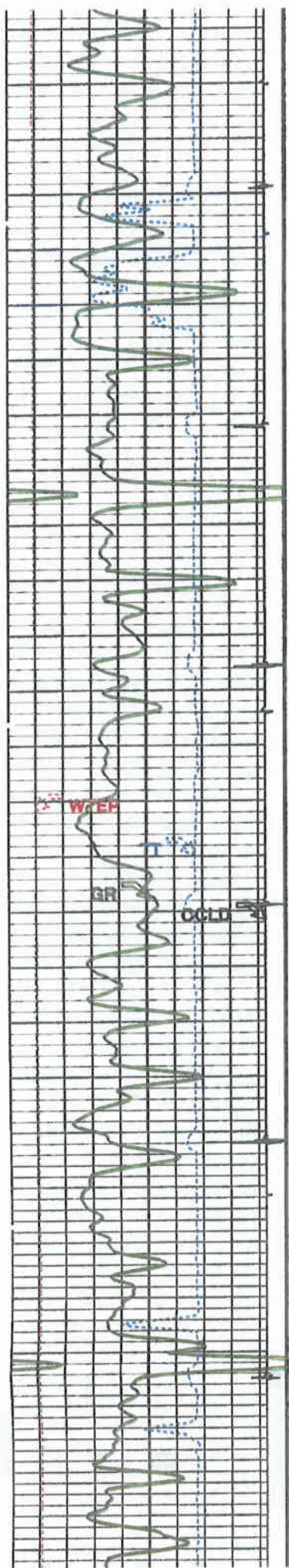
3900

4000

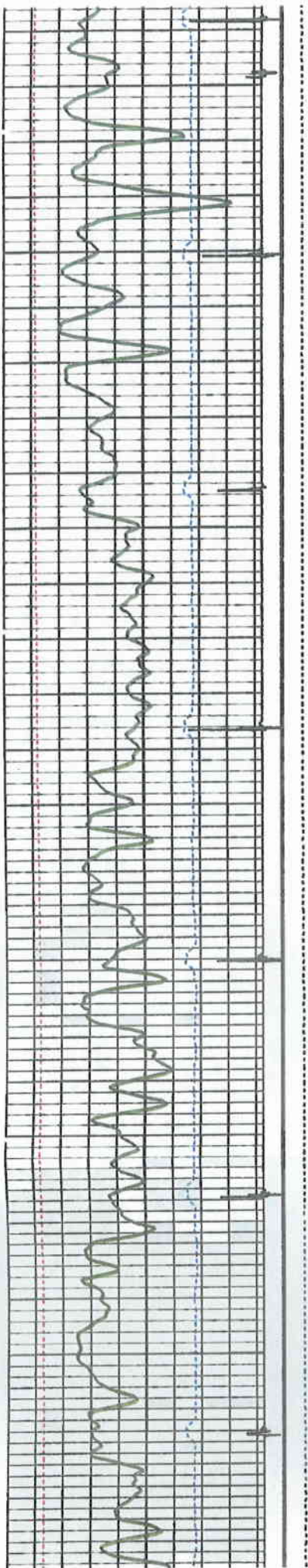
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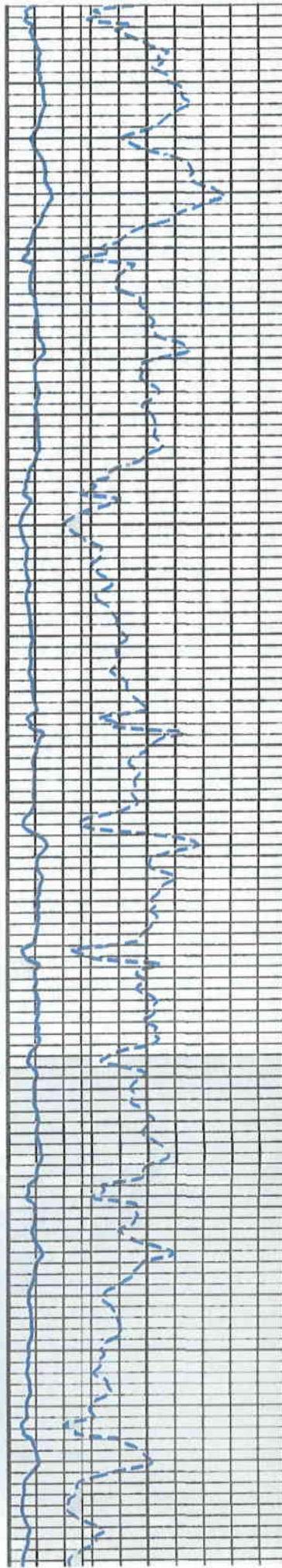




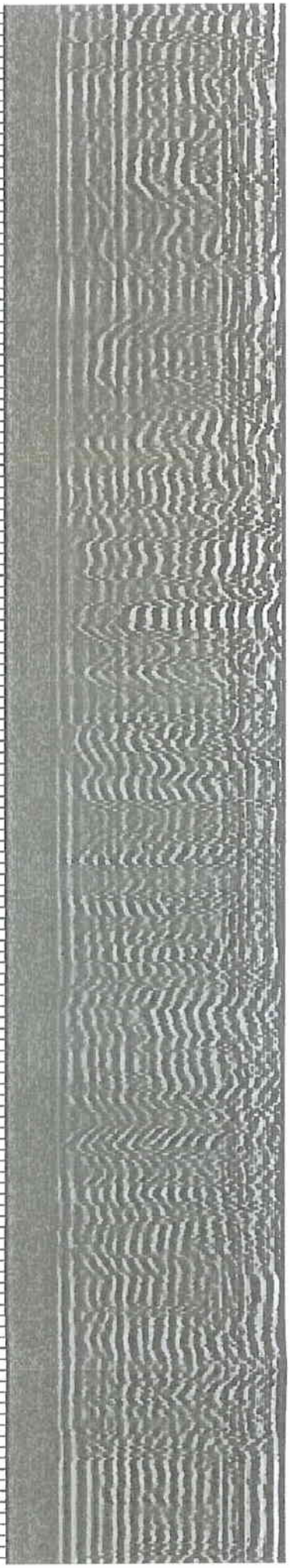
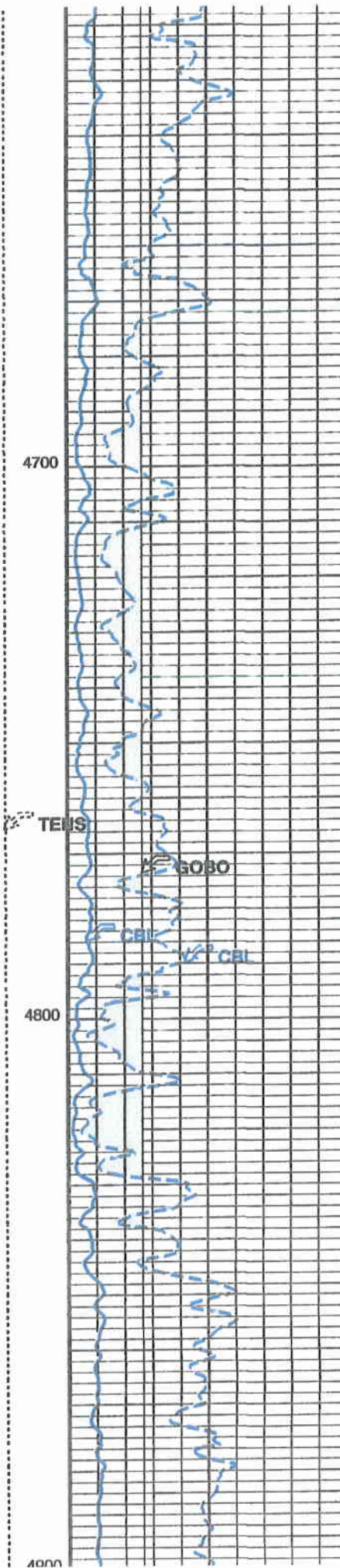
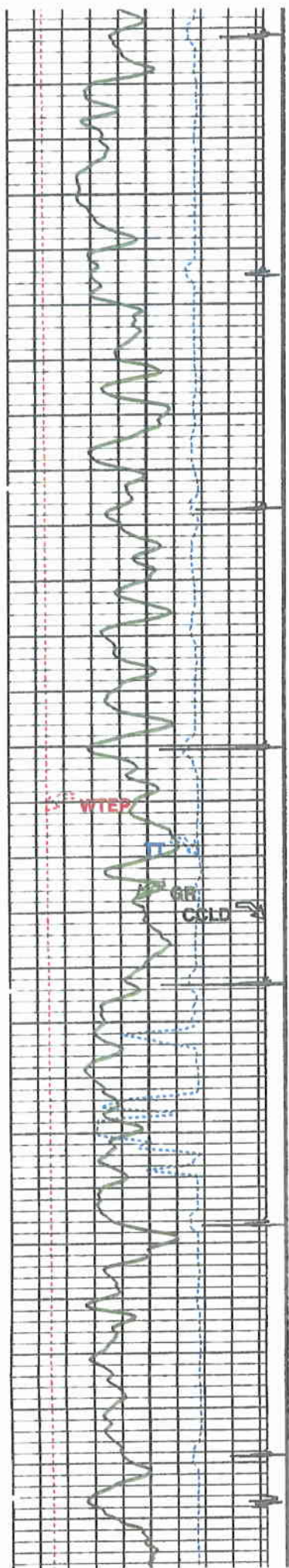


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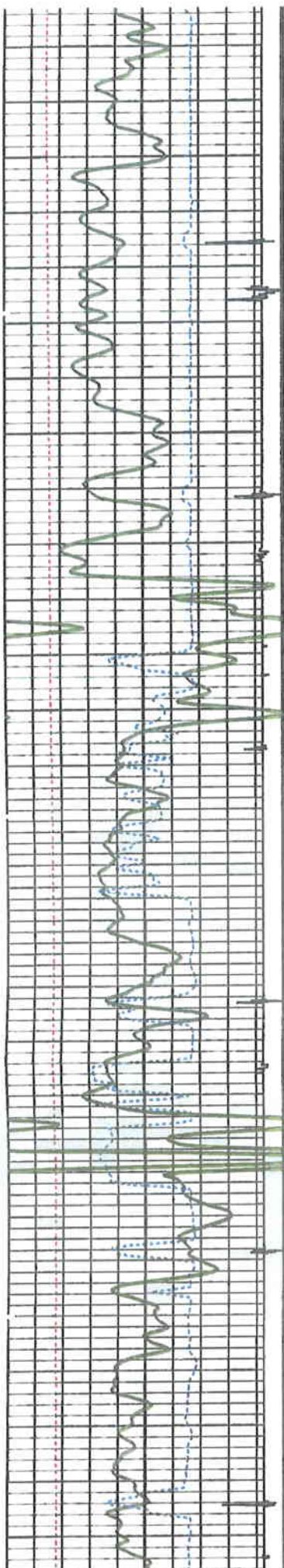
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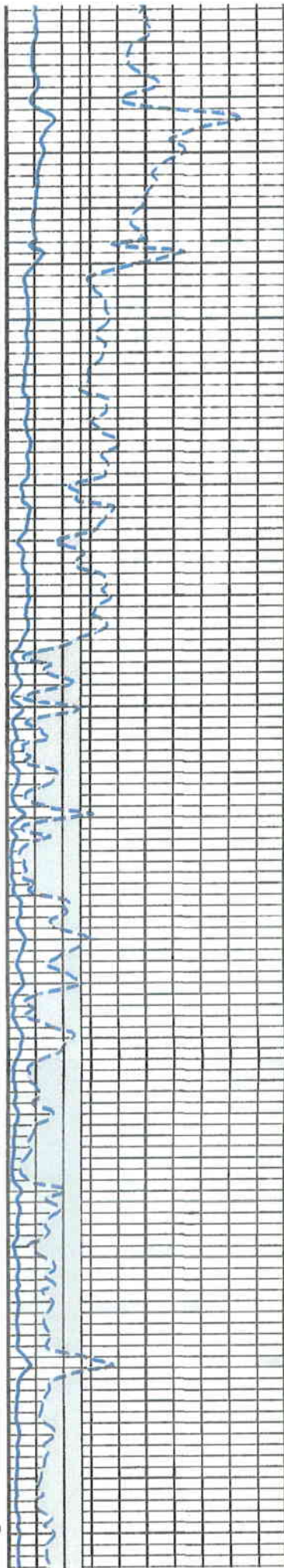




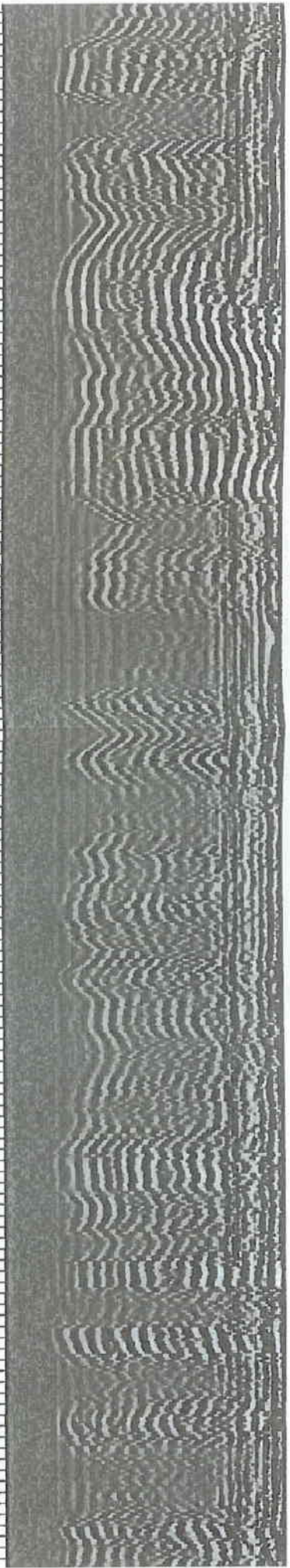
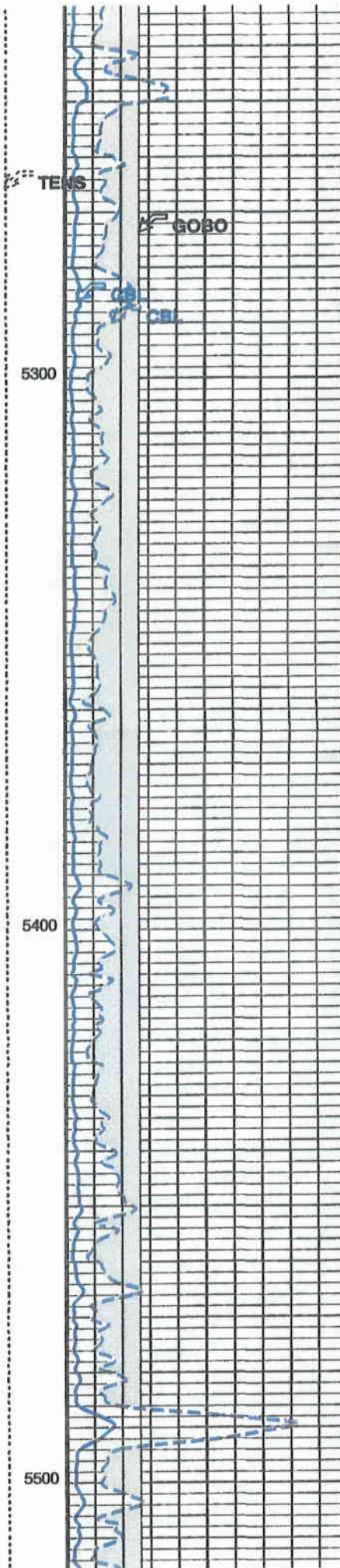
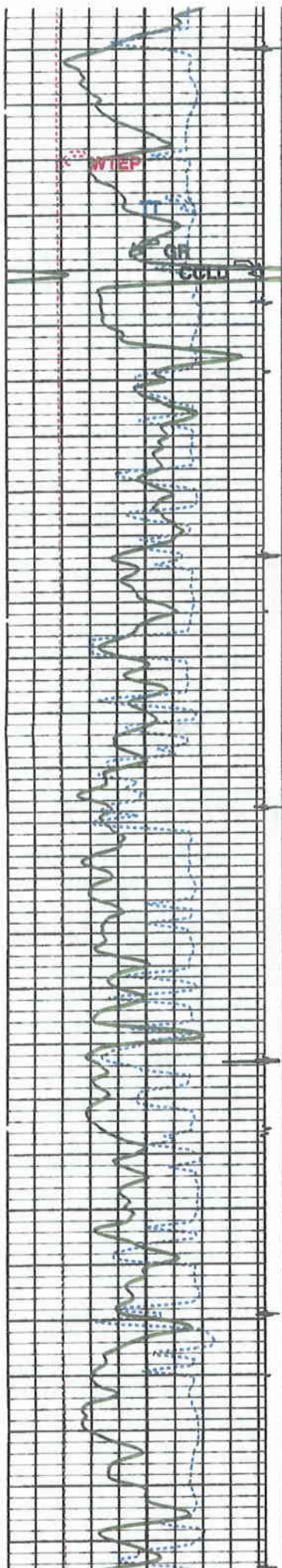
5000

5100

5200











DESCRIPTION

DEPTH

WELLBORE

WELL HISTORY

16" Conductor

35'

9-5/8" Surface Casing (12-1/4" Hole)

9-5/8" 36# J-55 STC

751'

9-5/8" Surface Casing Cementing

Lead: 330 sxs 68 bbls

Cmt Top

Surface

2-3/8" 4.7# N-80 8rd EUE Tubing Detail as of				
Item	Description	Length	Depth	
	RKB			
	Tubing Spool to Ground Level Adjustment			
	Tubing Spool to Original RKB Adjustment			
7	WHI 2-1/16" x 5M Tapered Tubing Hanger		0.00'	
6	2-3/8" 4.7# N-80 8rd EUE		0.00'	
5	Otis Type 2-3/8" 8rd "XN" profile (No-Go = 1.85")		0.00'	
4	2-3/8" 4.7# N-80 8rd EUE		0.00'	
3	Otis Type 2-3/8" 8rd "XN" profile (No-Go = 1.791")		0.00'	
2	2-3/8" 4.7# N-80 8rd EUE		0.00'	
1	2-3/8" 8rd NW machine Pump-Off sub		0.00'	
	0 jts			
	End of Tubing	0.00'	0.00'	

CBL

2,660'

PBTD: 9,222'

5-1/2" Production Casing Cementing

Lead: 770 sxs 608 bbls

Tail: 310 sxs

Class G

50/50 Poz

Cmt Top

2,660'

MW:

WELL:

Knight 14-30

LOCATION:

SESW 30 3S 2E  
FSL: 660' FWL: 2,180' GL: 5,036' KB: 5,054'

FORMATION:

Lower Green River

API #:

43-047-38501

Field:

Randlett

CLASSIFICATION:

Oil Well

CURRENT STATUS:

Producing

WI:

NRI:

Spud: 12/12/06

TD: 12/23/06

RR: 12/28/06

1st Sales: 05/12/07

Updated: 03/21/11 CRB

Rig: Paterson #77

Rate:

TUBULAR DATA

Type	Size	Weight	Grade	Top	Bottom	Burst	Collapse
Surface	9 5/8	36.0 ppf	J-55	0	751'	3,520 psi	2,020 psi
Production	5 1/2"	17.0 ppf	HCP-110	0	6,913'	10,640 psi	8,580 psi
Tubing	2 3/8	4.7 ppf	N-80	0		11,200 psi	11,780 psi

				ID	Drift	bbls/ft	Capacity
Surface	9 5/8	36.0 ppf	J-55	8.921"	8.765"	0.0773 bpf	58 bbls
Production	5 1/2	17.0 ppf	HCP-110	4.892"	4.767"	0.0232 bpf	161 bbls
Tubing	2 3/8	4.7 ppf	N-80	1.867"	1.773"	0.0034 bpf	0 bbls
Annulus	2-3/8" x 5-1/2"					0.0178 bpf	0 bbls

DEVIATION SURVEY

Depth	Angle	Dir	TVD	North	East	VS	DLS
512'	1.8	300.2	512'	3.1' N	9.0' W	9.3	0.1
1,016'	4.8	292.6	1,015'	13.6' N	36.3' W	37.8	0.5
1,527'	4.8	291.4	1,524'	28.8' N	72.9' W	76.2	1.0
2,034'	4.8	288.5	2,030'	42.8' N	112.8' W	117.8	0.2
2,545'	4.3	278.7	2,539'	56.7' N	153.6' W	160.2	1.6
2,992'	4.6	274.2	2,984'	62.0' N	191.1' W	198.1	0.2
3,502'	5.8	267.4	3,492'	64.2' N	235.8' W	242.6	0.2
4,074'	4	309	4,062'	69.0' N	289.2' W	296.2	2.9
4,522'	1.5	264.4	4,509'	75.5' N	304.8' W	312.5	0.4
5,032'	0.4	35.8	5,019'	75.6' N	306.8' W	314.5	0.2
5,539'	0.4	226.4	5,526'	74.3' N	306.7' W	314.2	0.2
6,049'	0.6	180.9	6,036'	70.0' N	308.9' W	315.8	0.0
6,559'	0.1	7	6,546'	68.4' N	310.1' W	316.7	0.6
7,006'	0.1	5.6	6,993'	69.9' N	310.5' W	317.3	0.6
7,514'	0.7	110.2	7,501'	69.6' N	306.9' W	313.8	0.1
7,578'	0.6	117.7	7,565'	69.3' N	306.3' W	313.1	0.2
7,641'	0.5	113.9	7,628'	69.0' N	305.7' W	312.5	0.2
7,705'	0.4	116.6	7,692'	68.8' N	305.3' W	312.0	0.2
7,769'	0.6	130.8	7,756'	68.5' N	304.8' W	311.5	0.4
7,833'	0.5	148	7,820'	68.0' N	304.4' W	311.0	0.3
7,897'	0.5	187	7,884'	67.5' N	304.3' W	310.9	0.5
7,961'	0.6	197.4	7,948'	66.9' N	304.4' W	310.9	0.2
8,024'	1	185	8,011'	66.0' N	304.6' W	310.9	0.7
8,088'	0.9	192.4	8,075'	65.0' N	304.7' W	310.9	0.2
8,152'	1.4	197.4	8,139'	63.8' N	305.1' W	311.1	0.8
8,216'	1.2	213.2	8,203'	62.5' N	305.7' W	311.5	0.6
8,279'	1.4	214.8	8,266'	61.3' N	306.5' W	312.1	0.3
8,343'	1.3	219.6	8,330'	60.1' N	307.4' W	312.8	0.2
8,407'	1.5	218	8,394'	58.9' N	308.4' W	313.6	0.3
8,471'	1.6	229.8	8,458'	57.6' N	309.6' W	314.6	0.5
8,534'	1.6	235.8	8,521'	56.6' N	311.0' W	315.9	0.3
8,598'	1.7	232	8,585'	55.5' N	312.5' W	317.2	0.2
8,662'	1.6	230.3	8,649'	54.3' N	313.9' W	318.4	0.2
8,726'	1.5	231.2	8,713'	53.2' N	315.2' W	319.6	0.2
8,790'	1.8	231.6	8,777'	52.1' N	316.7' W	320.9	0.5
8,853'	1.7	227.3	8,840'	50.8' N	318.1' W	322.1	0.3
8,917'	2	221.4	8,904'	49.3' N	319.6' W	323.3	0.6
8,980'	2.1	221.2	8,967'	47.6' N	321.1' W	324.6	0.2
9,045'	2	227.9	9,032'	46.0' N	322.7' W	325.9	0.4
9,109'	1.9	228.4	9,096'	44.5' N	324.3' W	327.3	0.2
9,173'	2.1	221.5	9,160'	43.0' N	325.9' W	328.7	0.5
9,236'	2	226.5	9,223'	41.3' N	327.4' W	330.0	0.3
9,280'	1.8	223.6	9,267'	40.3' N	328.5' W	330.9	0.5
8,602'	3.9	350.5	8,543'	45.8' N	626.5' W	623.2	0.3
8,666'	3.8	349.9	8,607'	50.0' N	627.2' W	623.7	0.2
8,730'	4.1	351.3	8,670'	54.4' N	627.9' W	624.2	0.5
8,794'	4.2	350.8	8,734'	59.0' N	628.6' W	624.7	0.2
8,857'	4.8	352	8,797'	63.8' N	629.4' W	625.2	1.0
8,940'	5	350	8,880'	70.8' N	630.5' W	625.9	0.3



**ATTACHMENT B5**

**RANDLETT 1**

**WELL ABANDONMENT RECORD**



43-047-30086

GULF OIL CORPORATION		RANDLETT	
3. ADDRESS OF OPERATOR P. O. Box 2619		9. WELL NO. 1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' NSL and 2010' EWL (SE SW)		10. FIELD AND POOL, OR WILDCAT Randlett	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 30-3S-2E	
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 50501' KB	12. COUNTY OR PARISH Uintah	13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐FULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

## 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Plug and abandon temporarily abandoned oil well. With tubing at 6815' spotted 52 sx cement. Subsequently found top of cement at 6483'. Circulated hole with mud. Shot off casing @ 3497'. Recovered 108 jts 5-1/2" csg. With tubing set at 3541' spotted 26 sx cement across casing stub. With tubing at 2000', spotted 55 sx cement. With tubing at 551' spotted 41 sx cement (25% out & 75% in casing.) Capped surface casing w/ 10 sx cement. Installed dry hole marked. Surface restored. Location ready for inspection.



**ATTACHMENT B6**

**ELIASON 12-30**

**CEMENT BOND LOG & SCHEMATIC**





# CEMENT BOND LOG GAMMA RAY CCL

Company FLYING J OIL AND GAS INC.  
Well ELIASON 12-30  
Field LAND BENCH  
County UTAH  
State UTAH

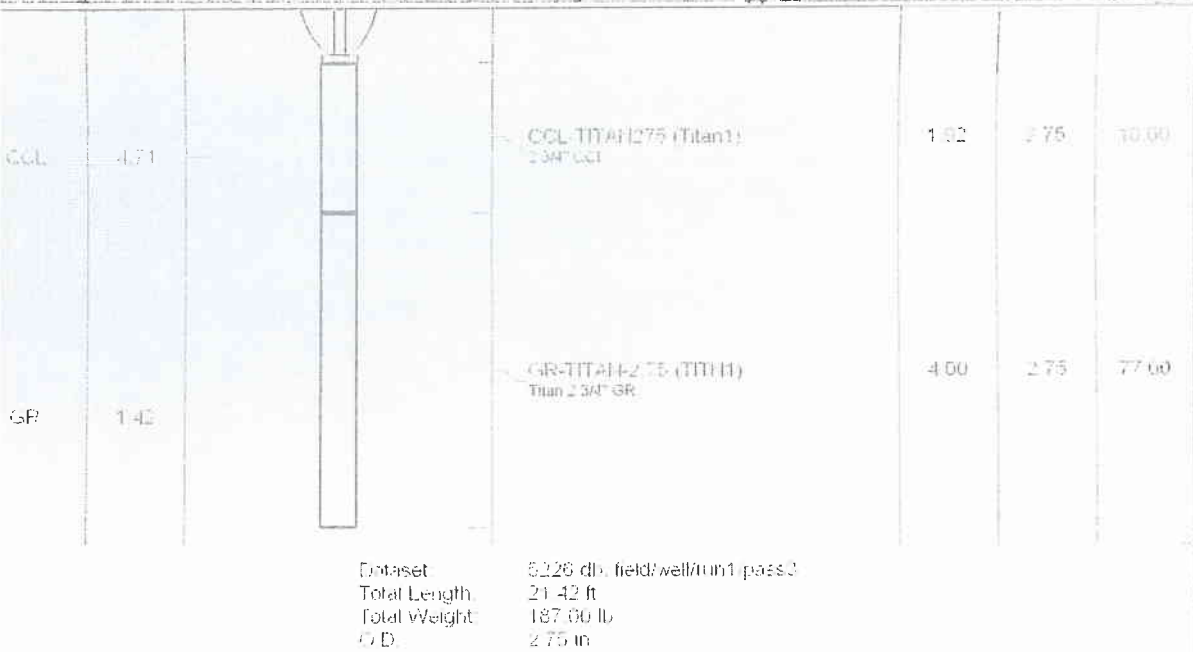
Location: API # 43-047-40040  
MWS V1980 FSL 5.660 F.N.L.

SEC 30 TWP 3S RGE 2E

Formation Datum GROUND LEVEL Elevation 4995'  
Log Measured From KELLY BUSHING  
Drilling Measured From KELLY BUSHING

Other Services:  
PERFORATING

Date	3-DEC-2008						
Run Number	01						
Cement Collar	0.00'						
Cement Log Length	1.42'						
Bottom Logged Interval	1.42'						
Top Log Interval	1.42'						
Cement Hole Size	3.75" IN						
Type Fluid	WATER						
Density Viscosity	N/A						
Max Recorded Temp	N/A						
Estimated Cement Top	4850'						
Time Well Bored	ROA						
Time Logged on Bottom	300.641						
Equipment Number	111						
Location	VERTICAL						
Recorded By	G. PERRET						
Witnessed By	MR. PASTIAN						
Run Number	01	From	To	Size	Weight	From	To
Tubing Record							
Casing Record							
Size	Weight	Top	Bottom				
Surface String							
Prod. String							
Production String							



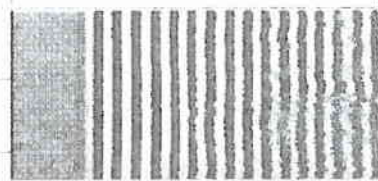
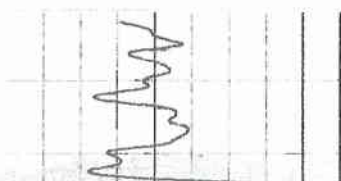
Dataset 5226.db, field/well/run1 pass3  
Total Length 21.42 ft  
Total Weight 187.00 lb  
C.D. 2.75 in

Database File 5226.db  
Dataset Pathname pass3  
Presentation Format cbl01  
Dataset Creation Wed Dec 03 09:17:43 2008 by Log Str Casedhole 06120  
Sorted by Depth in Feet scaled 1.240

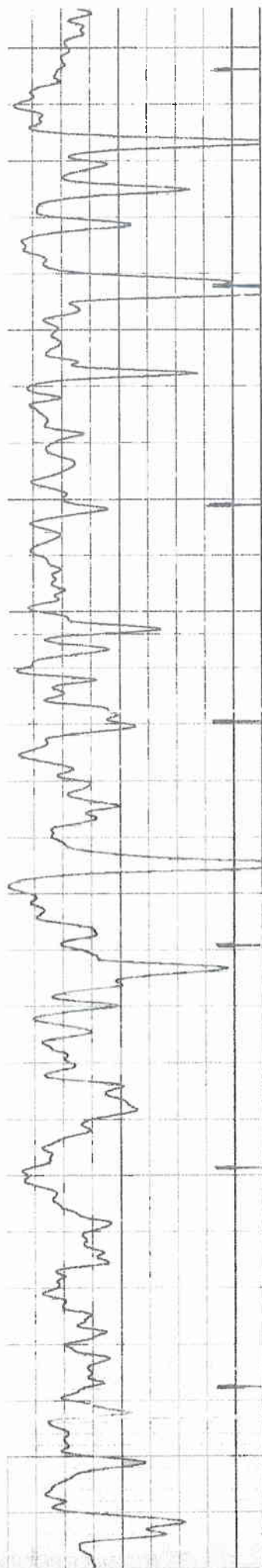
Collar Locator -1  
Gamma Ray (GAPI) 150

0 Amplified Amplitude (mV) 20 200  
0 Amplitude (mV) 100  
200 Travel Time (usec) 275

CEL5 1200







3350

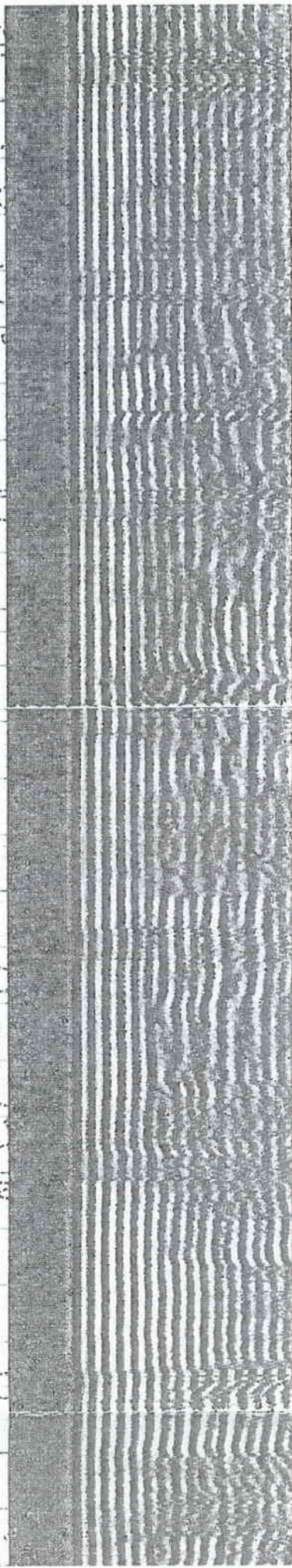
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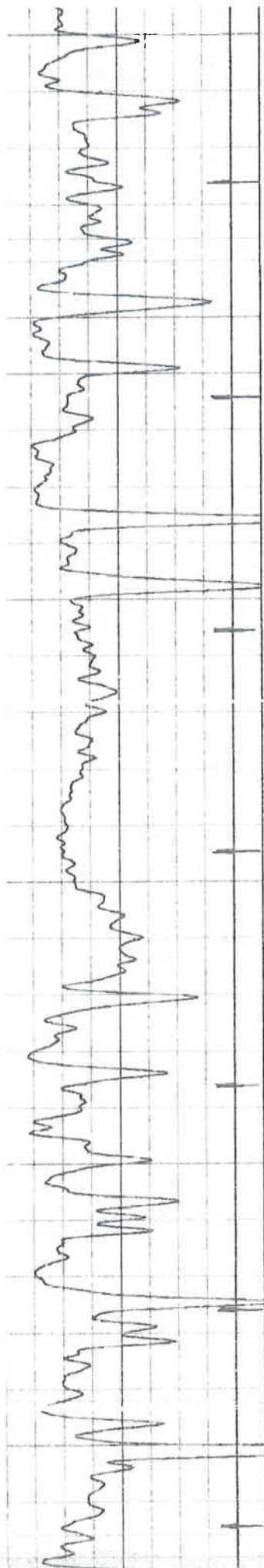
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3750

4100







4100

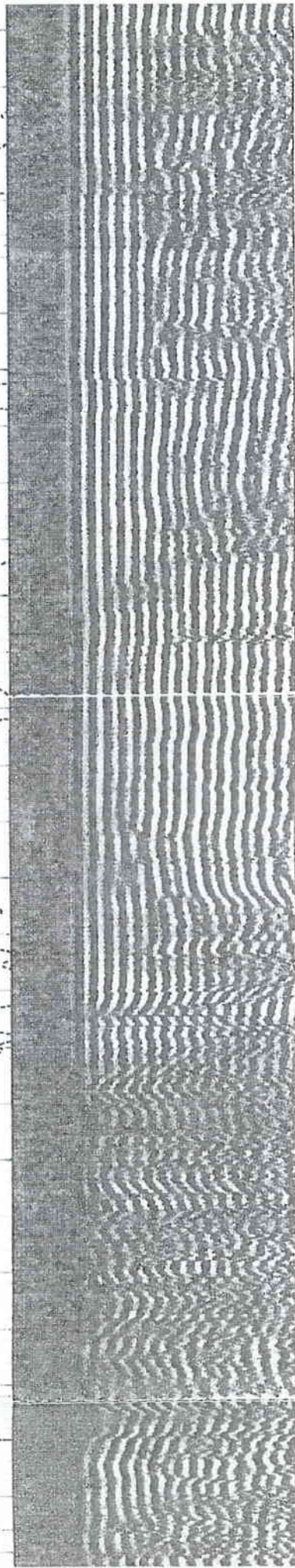
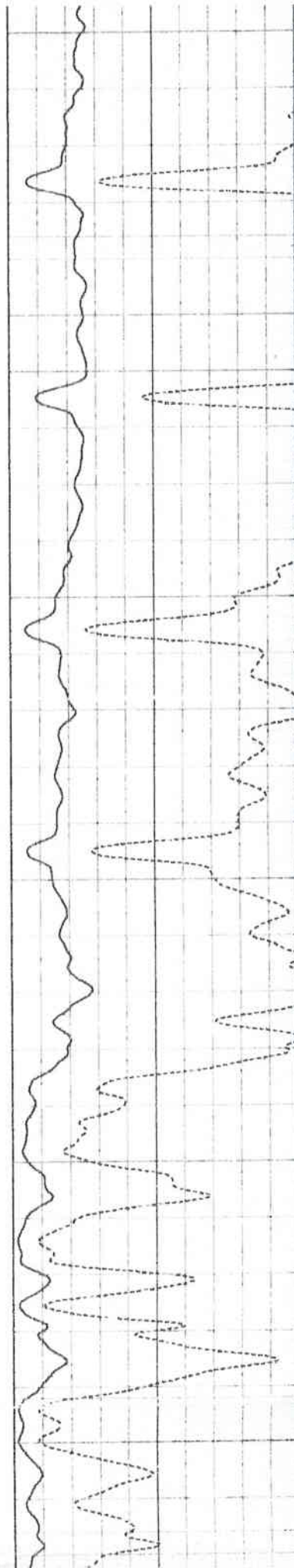
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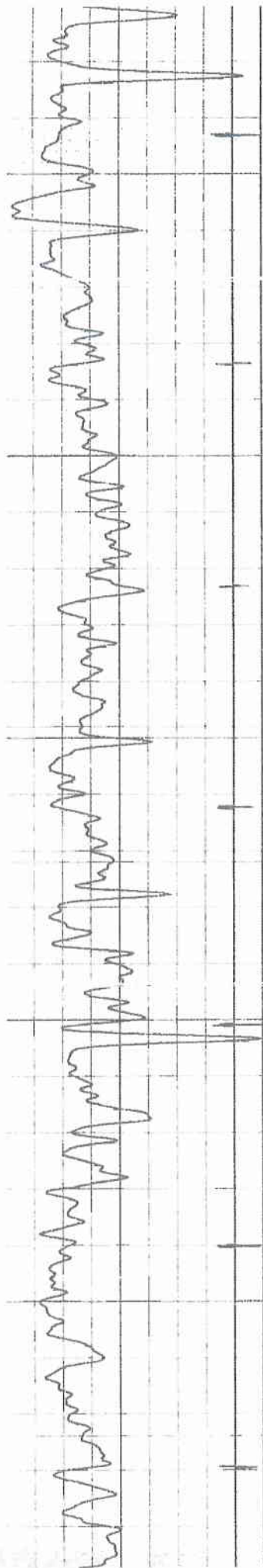
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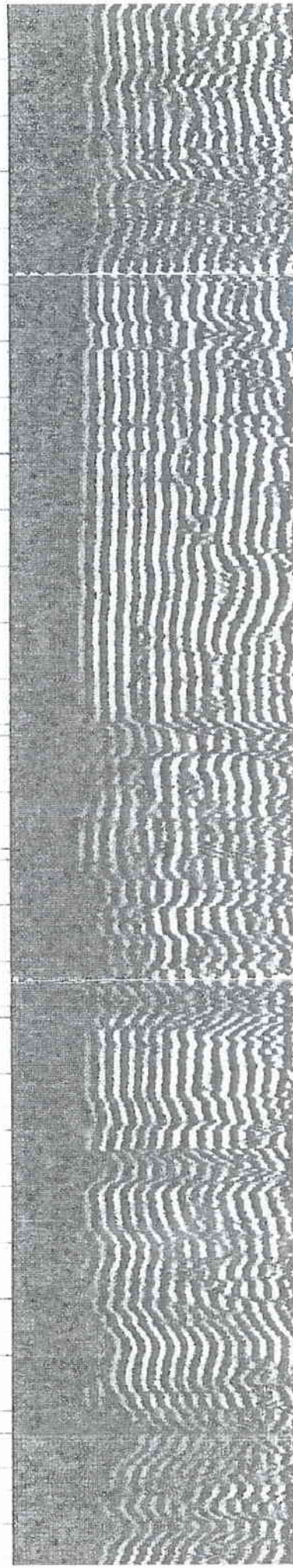
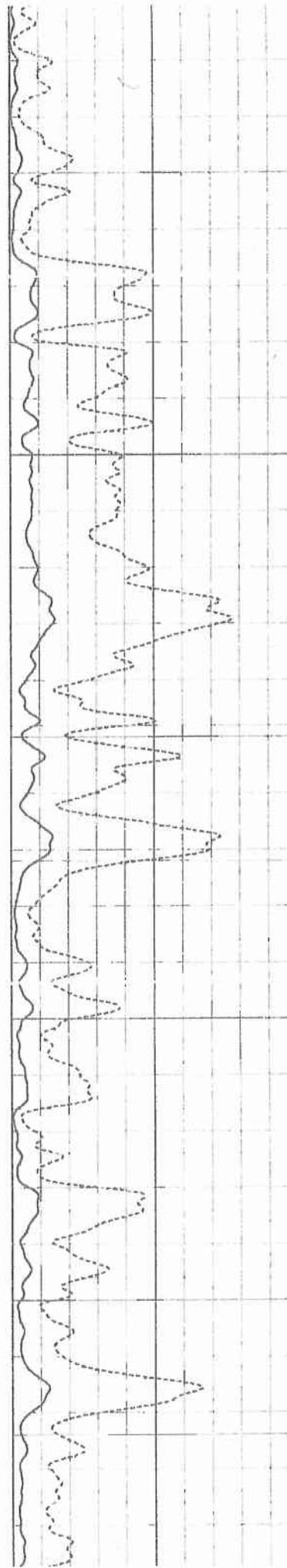
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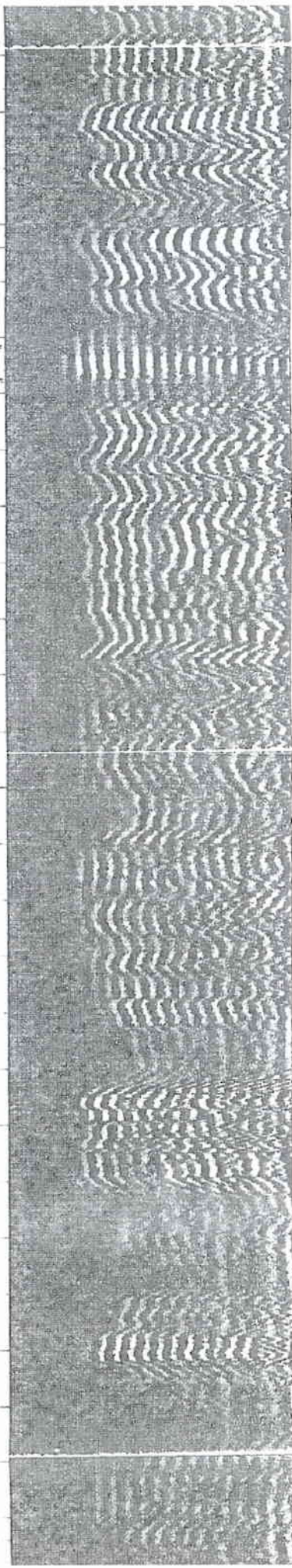
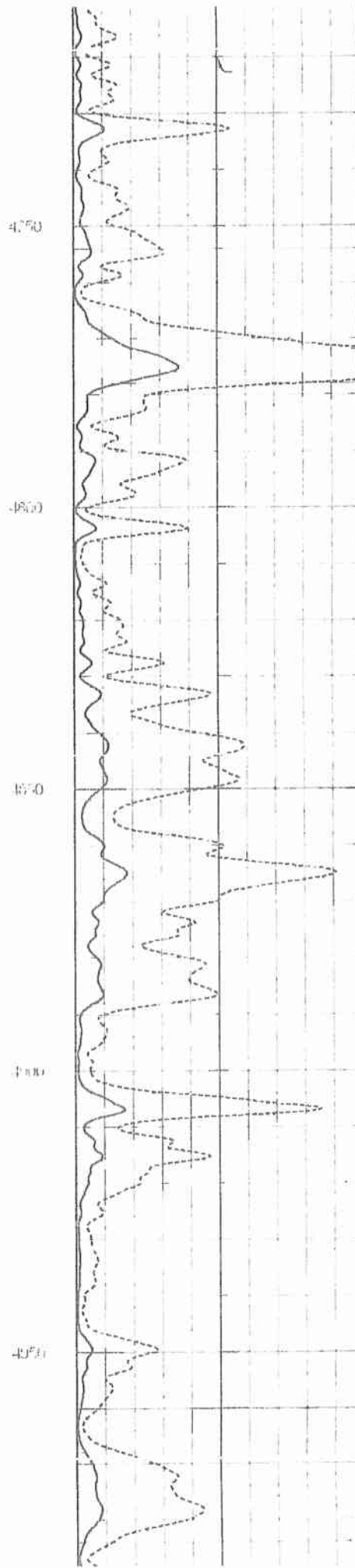
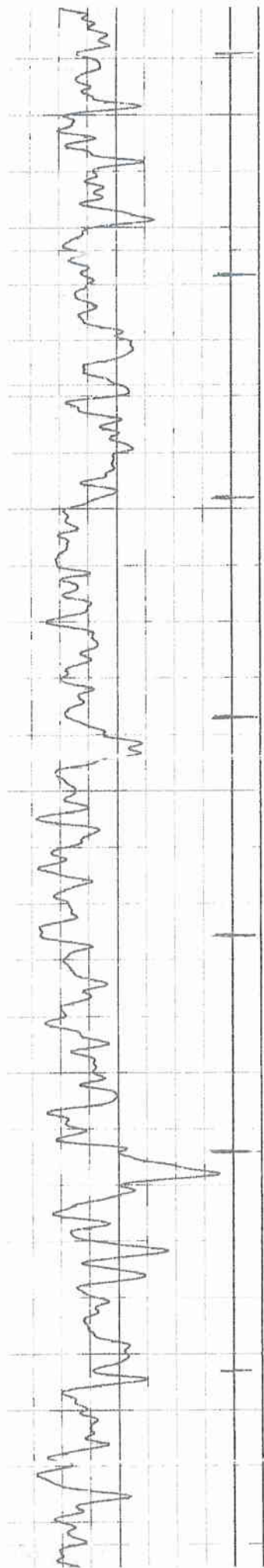
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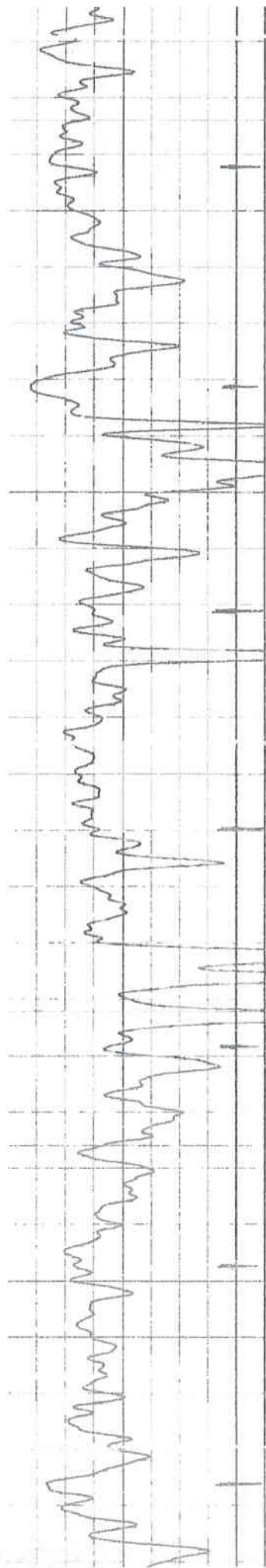
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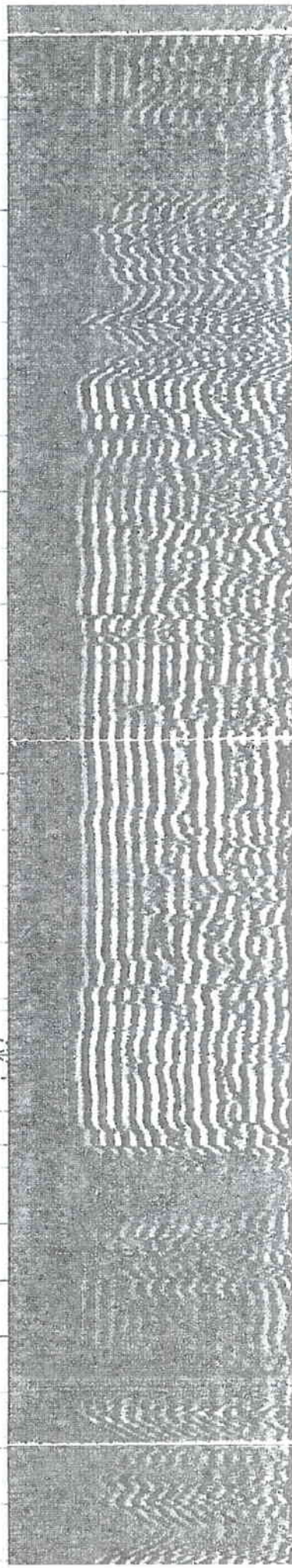
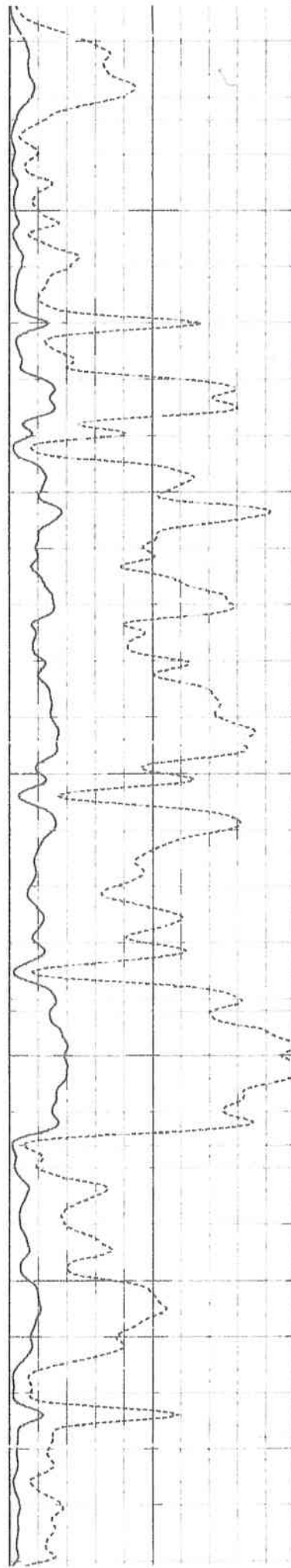
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DESCRIPTION DEPTH WELLBORE WELL HISTORY

20" Conductor 58'

9-5/8" Surface Casing (12-1/4" Hole)  
9-5/8" 36# J-55 STC 796'

9-5/8" Surface Casing Cementing  
Lead: 350 sxs 71 bbls Cmt Top  
Surface

2-3/8" 4.7# N-80 8rd EUE Tubing Detail as of			
Item	Description	Length	Depth
	RKB		
	Tubing Spool to Ground Level Adjustment		
	Tubing Spool to Original RKB Adjustment		
7	WHI 2-1/16" x 5M Tapered Tubing Hanger		0.00'
6	2-3/8" 4.7# N-80 8rd EUE		0.00'
5	Otis Type 2-3/8" 8rd "XN" profile (No-Go = 1.85")		0.00'
4	2-3/8" 4.7# N-80 8rd EUE		0.00'
3	Otis Type 2-3/8" 8rd "XN" profile (No-Go = 1.791")		0.00'
2	2-3/8" 4.7# N-80 8rd EUE		0.00'
1	2-3/8" 8rd NW machine Pump-Off sub		0.00'
	0 Its		0.00'
	End of Tubing	0.00'	0.00'
	CBL		3,550'

5-1/2" 17# N-80 & P-110 Production Casing  
5-1/2" 17# N-80 & P-110 LTC 7,063'  
7-7/8" Production Hole: 796' 7,070'

5-1/2" Production Casing Cementing  
Lead: 360 sxs 342 bbls Class G  
Tail: 400 sxs 50/50 Poz Cmt Top  
3,550'

PBTD: 7,029'

MW:

WELL: Eliason 12-30  
LOCATION: NWSW 30 3S 2E  
FSL: 1,980' FWL: 660' GL: 4,995' KB: 5,013'  
FORMATION: Lower Green River  
API #: 43-047-40040  
Field: Randlett  
CLASSIFICATION: Oil Well  
CURRENT STATUS: Producing

Spud: 08/02/08 Rlg: Paterson #77  
TD: 08/29/08 Rate:  
RR: 09/01/08  
1st Sales: 01/01/09  
NRI: Updated: 03/21/11 CRB

TUBULAR DATA							
Type	Size	Weight	Grade	Top	Bottom	Burst	Collapse
Surface	9 5/8	36.0 ppf	J-55	0	796'	3,520 psi	2,020 psi
Production	5 1/2"	17.0 ppf	HCP-110	0	7,070'	10,640 psi	8,580 psi
Tubing	2 7/8	6.5 ppf		0			

				ID	Drift	bbls/ft	Capacity
Surface	9 5/8	36.0 ppf	J-55	8.921"	8.765"	0.0773 bpf	62 bbls
Production	5 1/2	17.0 ppf	HCP-110	4.892"	4.767"	0.0232 bpf	164 bbls
Tubing	2 7/8	6.5 ppf	0			0.0034 bpf	0 bbls

DEVIATION SURVEY

Depth Angle Dir TVD North East VS DLS

DEVIATION SURVEY

1.) Well SI October 2010. No further work was reported to the state for why.  
- Need to research as it was producing 10-12 BOPD 6-7 MCFD 10 BWPD constantly.

May 2007	Open	L. Green River	4" HSC: 23g; ph = 1200; d = 0.42"	19 shots	3 spf	6'	6,242'	6,248'	72,647# 20/40	928 bbls	ISIP: 0 psi	0.00 psi/ft	CBP: 0'	20# X-Linked Borate Gell Job, Jordan-Unimin Sand
May 2007	Open	L. Green River	4" HSC: 23g; ph = 1200; d = 0.42"	436 shots	3 spf	145'	6,526'	6,671'	104,000# 20/40	1,393 bbls	ISIP: 0 psi	0.00 psi/ft	CBP: 0'	20# X-Linked Borate Gell Job, Jordan-Unimin Sand
May 2007	Open	L. Green River	4" HSC: 23g; ph = 1200; d = 0.42"	547 shots	3 spf	182'	6,760'	6,942'	127,661# 20/40	1,492 bbls	ISIP: 0 psi	0.00 psi/ft	CBP: 0'	20# X-Linked Borate Gell Job, Jordan-Unimin Sand



**ATTACHMENT B7**

**ULT 7-36-3-1E**

**CEMENT BOND LOG**





# Cement Bond Log Gamma Ray CCL

Company Ute Energy Upstream Holdings LLC Well ULT 7-36-3-1E Field Undesignated County Uintah State Utah	Company Ute Energy Upstream Holdings LLC	
	Well ULT 7-36-3-1E	
	Field Undesignated	
	County Uintah	State Utah
	Location: API #: 43-047-51578	
	SEC 36 TWP 3S RGE 1E	
	Permanent Datum	Ground Level Elevation 5069'
	Log Measured From	Kelly Bushing 12'
	Drilling Measured From	Kelly Bushing
	Other Services	
	Elevation	
	K.B. 5081'	
	D.F. 5080'	
	G.L. 5069'	
Date	28-Sept-2011	
Run Number	One	
Depth Driller	N/A	
Depth Logger	3450'	
Bottom Logged Interval	3448'	
Top Log Interval	Surface	
Open Hole Size	N/A	
Type Fluid	Water	
Density / Viscosity	N/A	
Max. Recorded Temp.	112 DEG. F.	
Estimated Cement Top	Surface	
Time Well Ready	N/A	
Time Logger on Bottom	2:30pm	
Equipment Number	101	
Location	Vernal, Utah	
Recorded By	Jonathan Bowden	
Witnessed By	Mr. Ken Allen	
Borehole Record		Tubing Record
Run Number	Bit	From To Size Weight From To
Casing Record	Size	Wgt/Ft Top Bottom
Surface String	8.625in.	24#
Prot. String		
Production String		
Liner		

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments



Crew: Curtis C., Doug P.  
Thank you for choosing Lone Wolf Wireline.

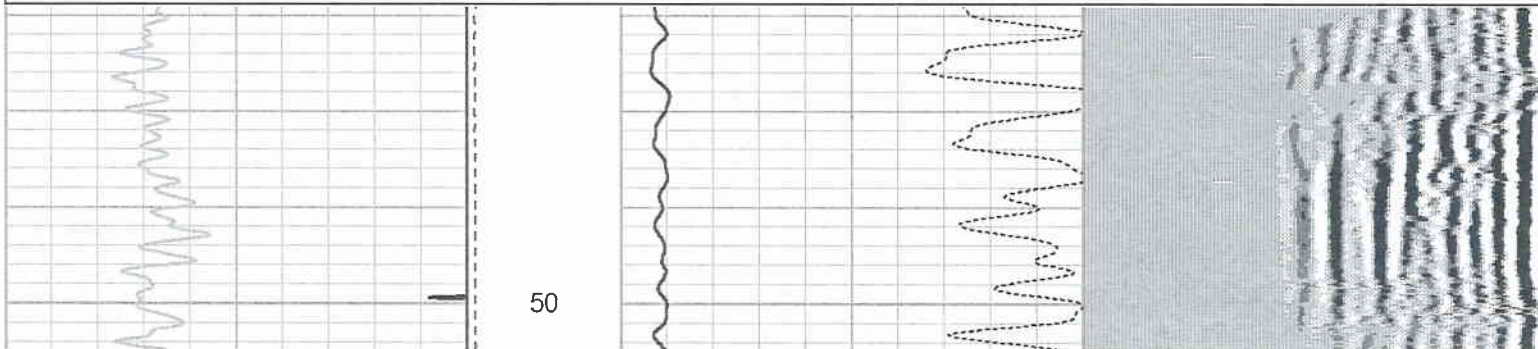


## Main Pass

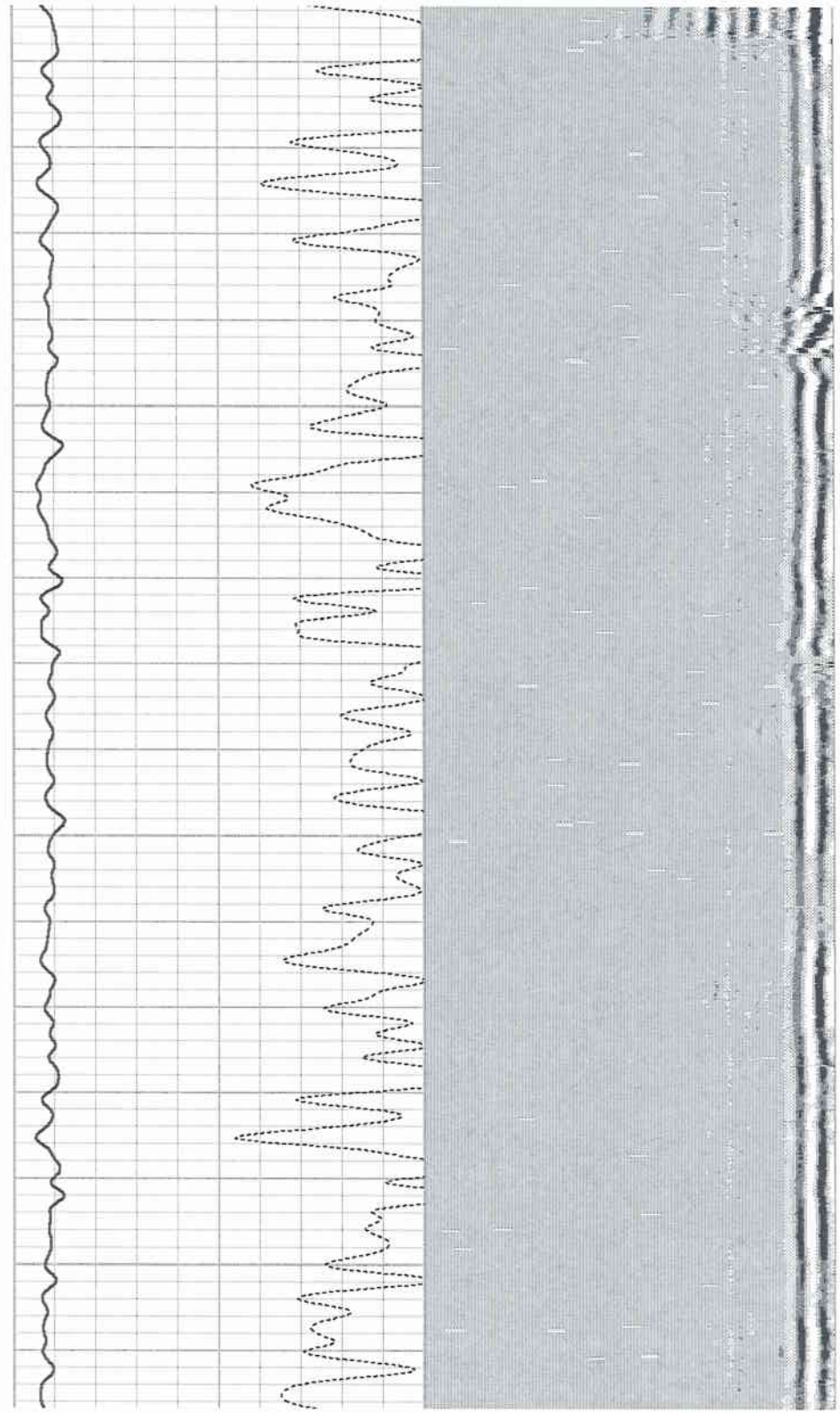
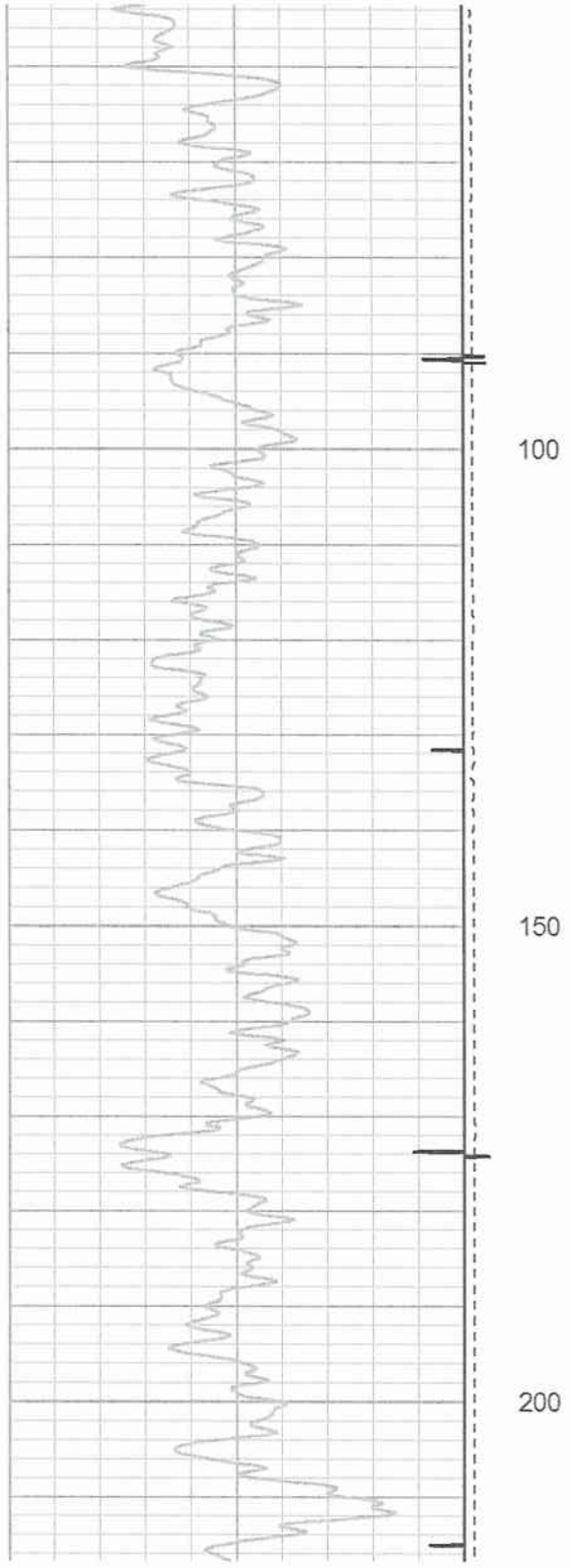
Logged with 1500 PSI surface pressure.

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Presentation Format: \_cbldig  
Dataset Creation: Wed Sep 28 16:18:13 2011 by Calc SCH 110223  
Charted by: Depth in Feet scaled 1:240

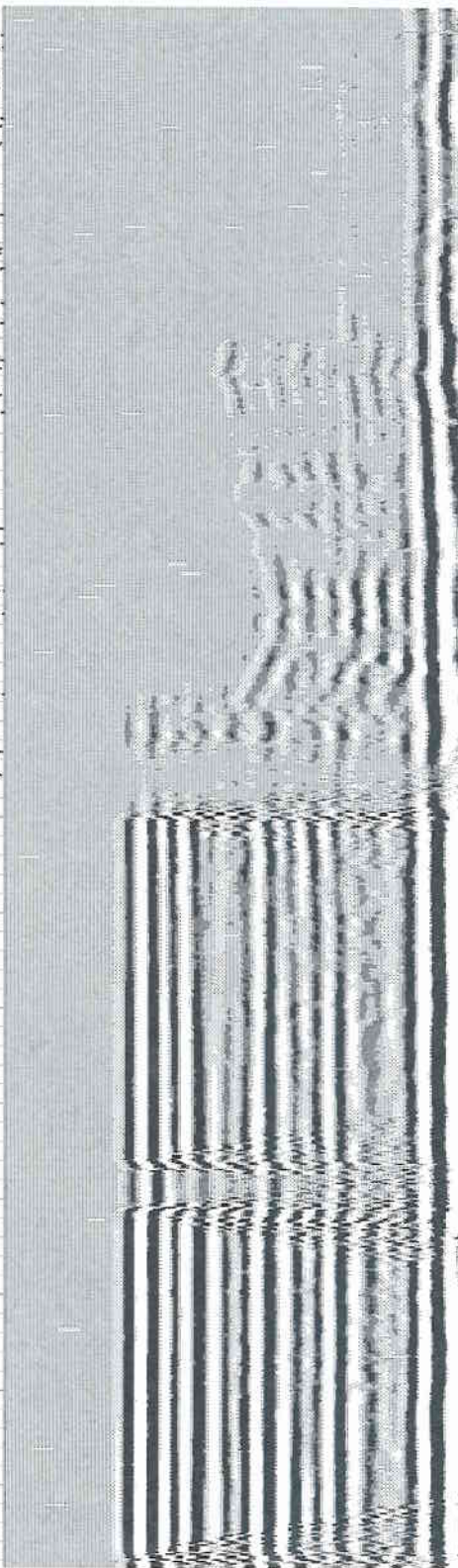
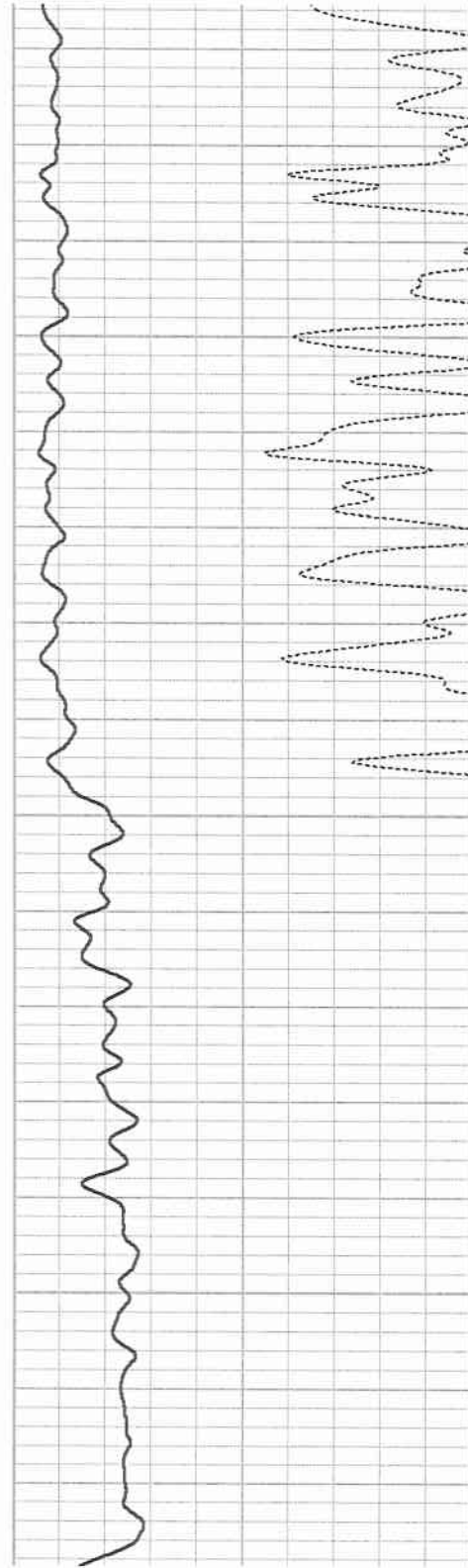
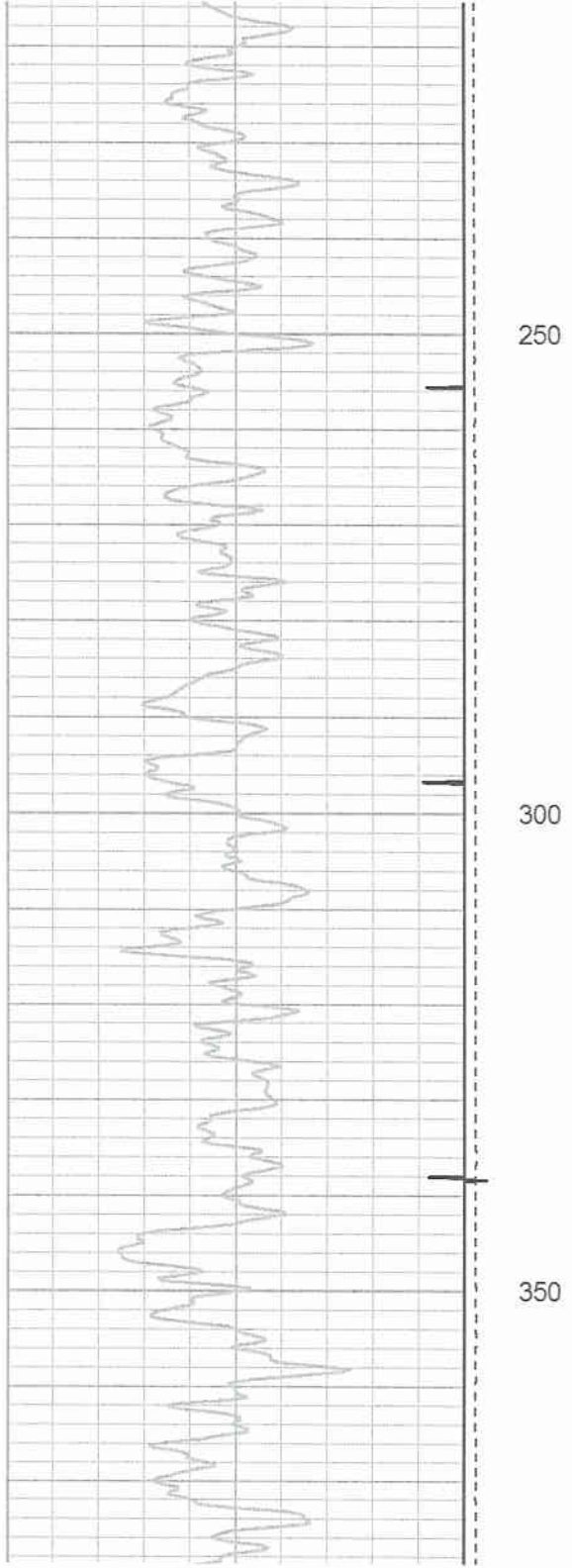
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		Collar	Locatop	2000	0	AMP3 (mV)	100		
		2	-2			Travel Time (usec)			
						250	315		



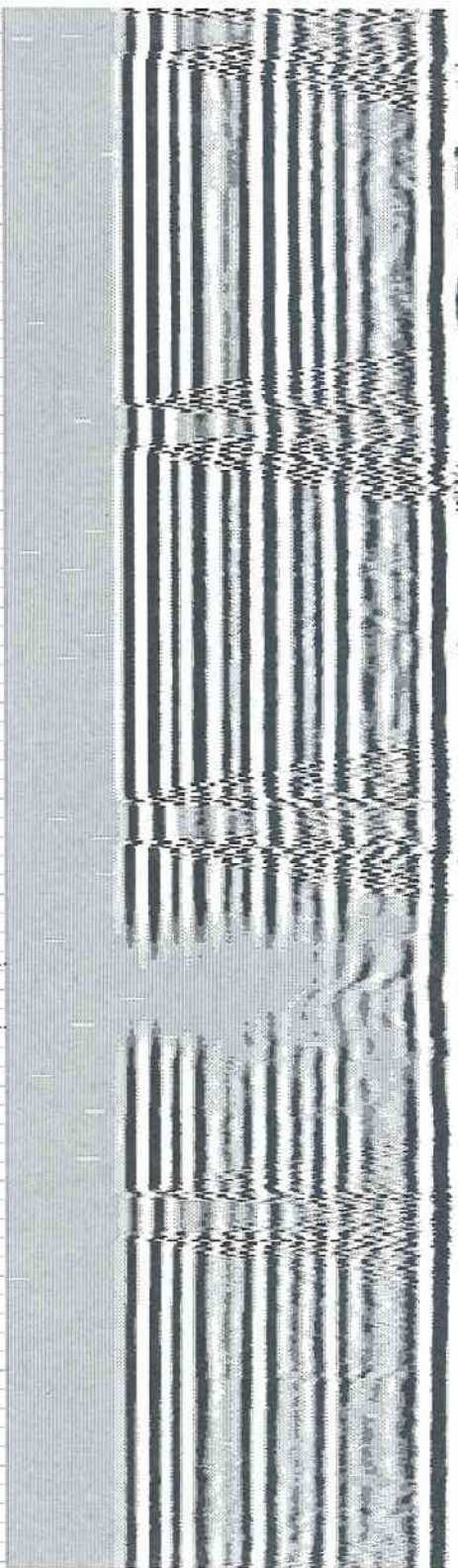
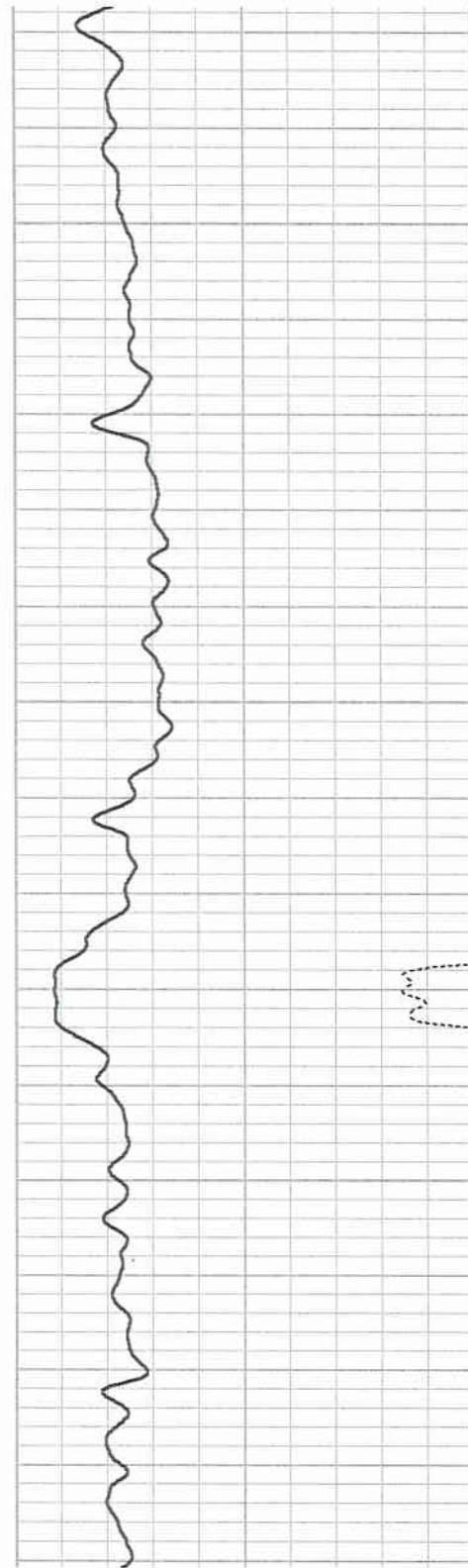
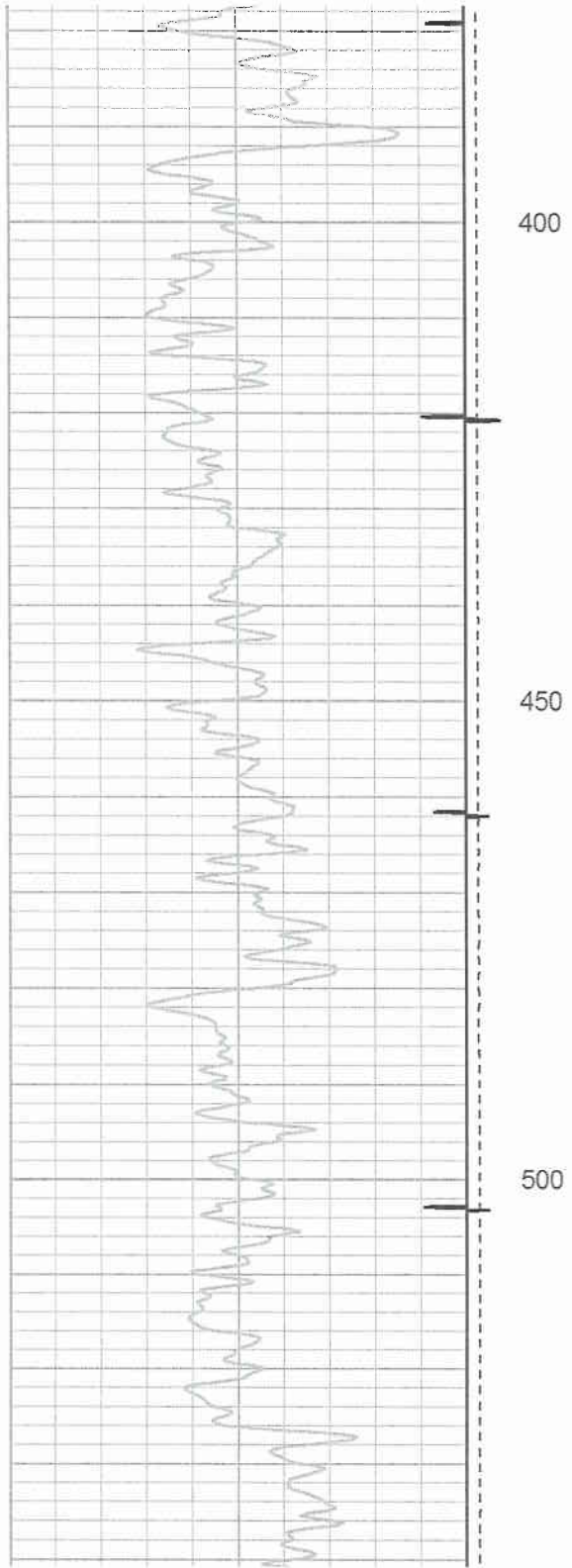




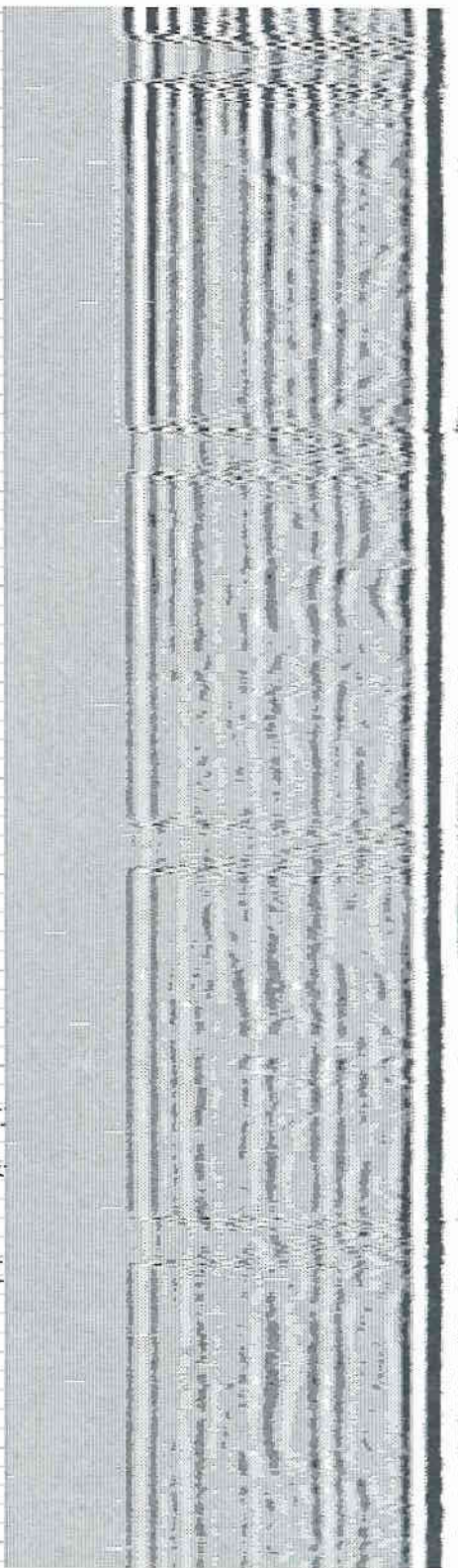
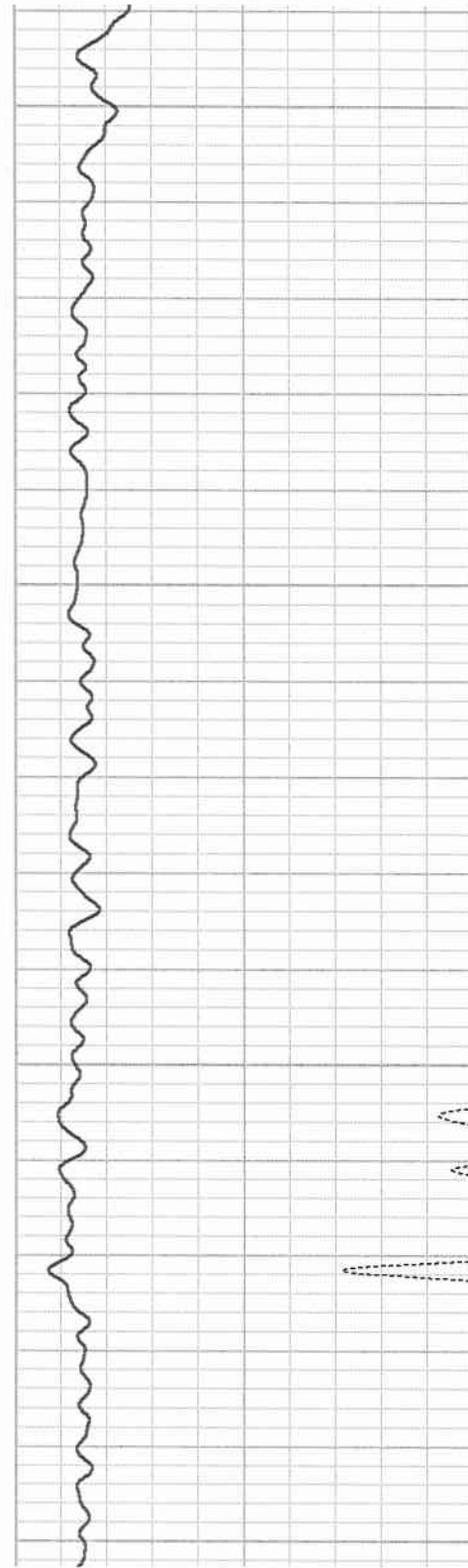
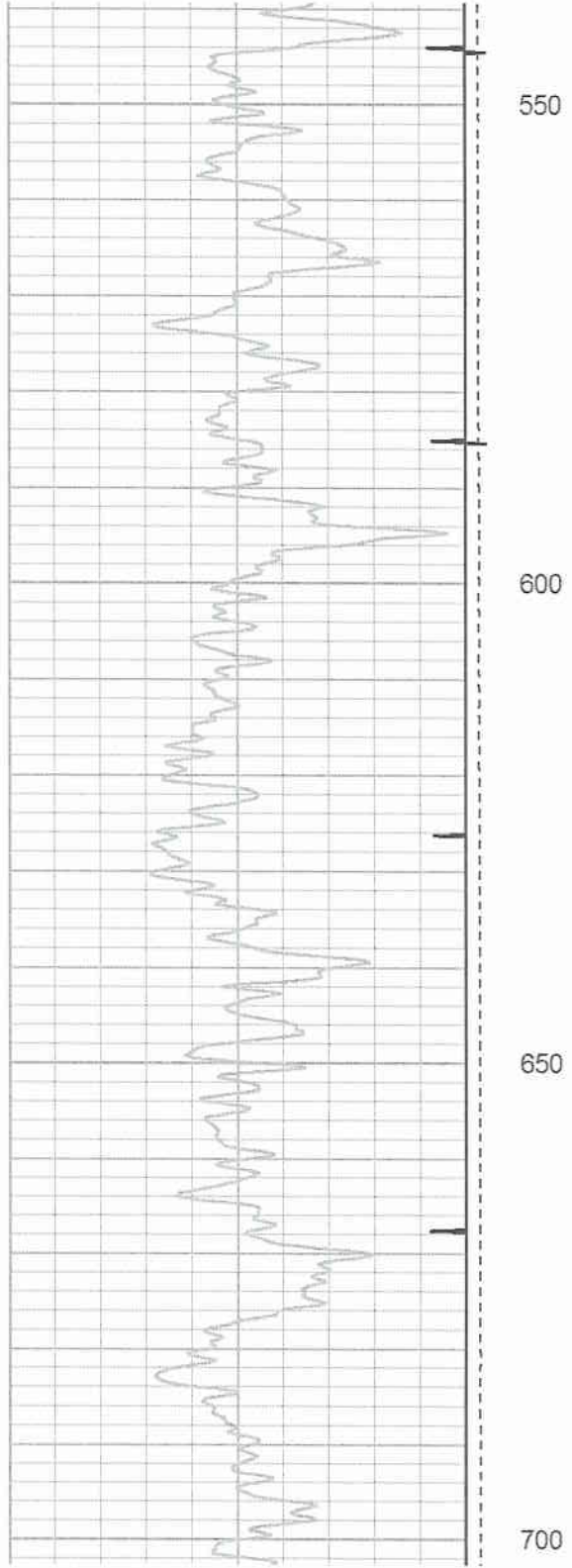










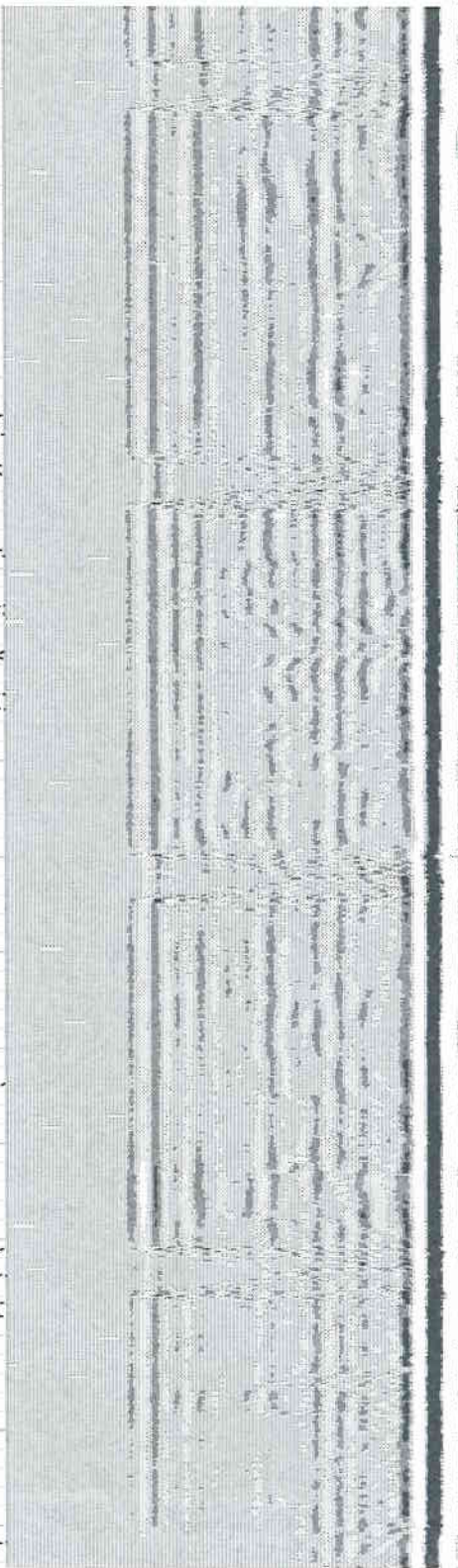
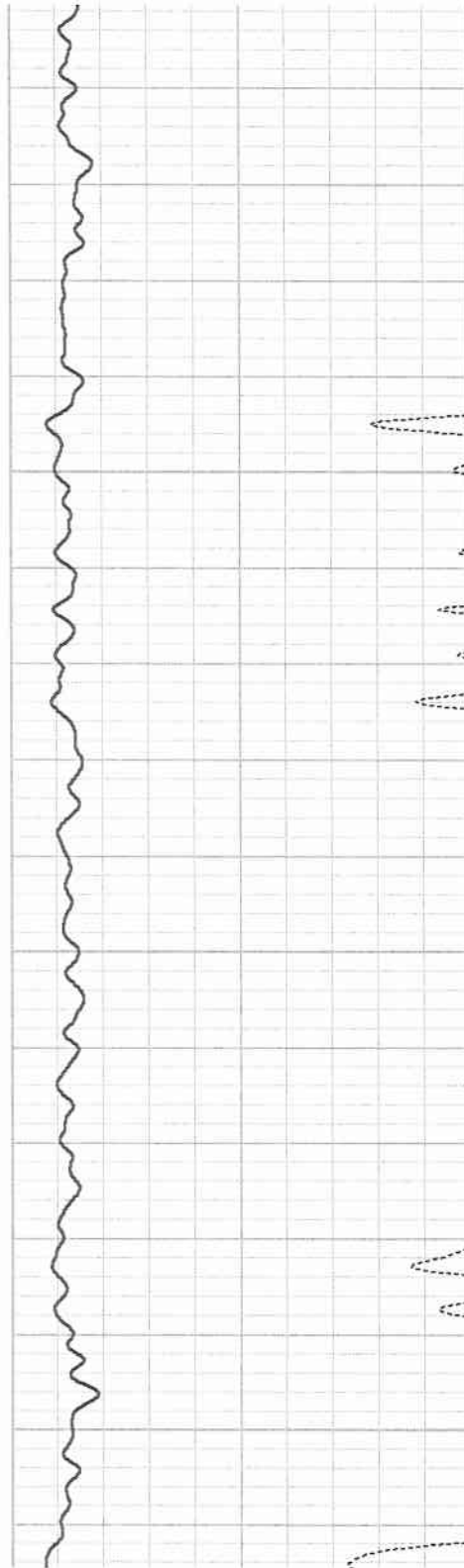




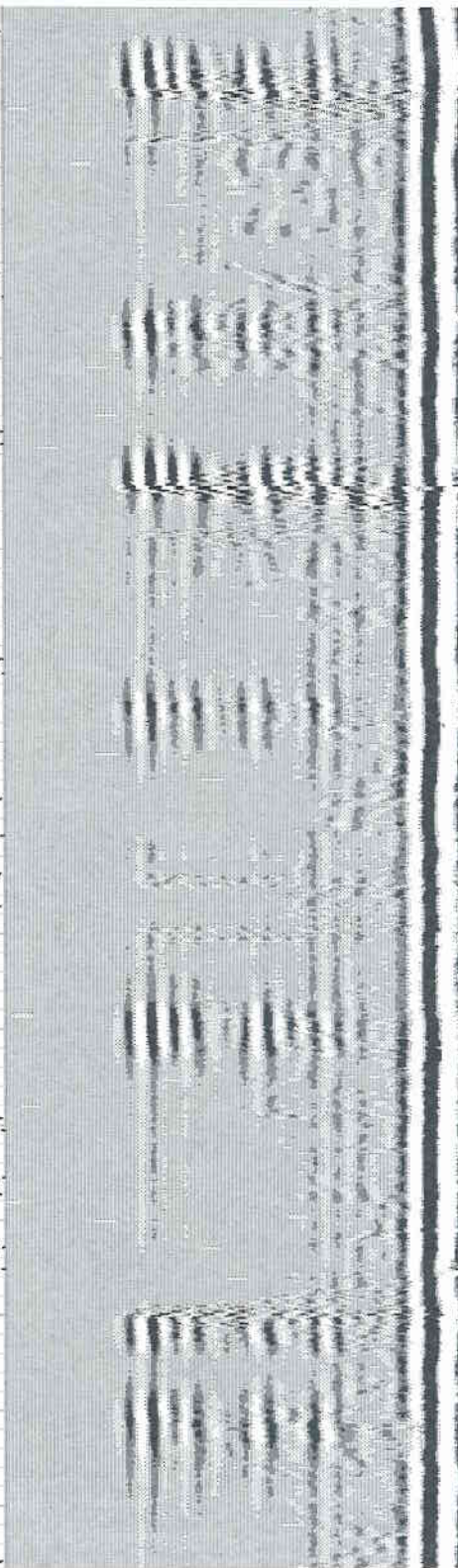
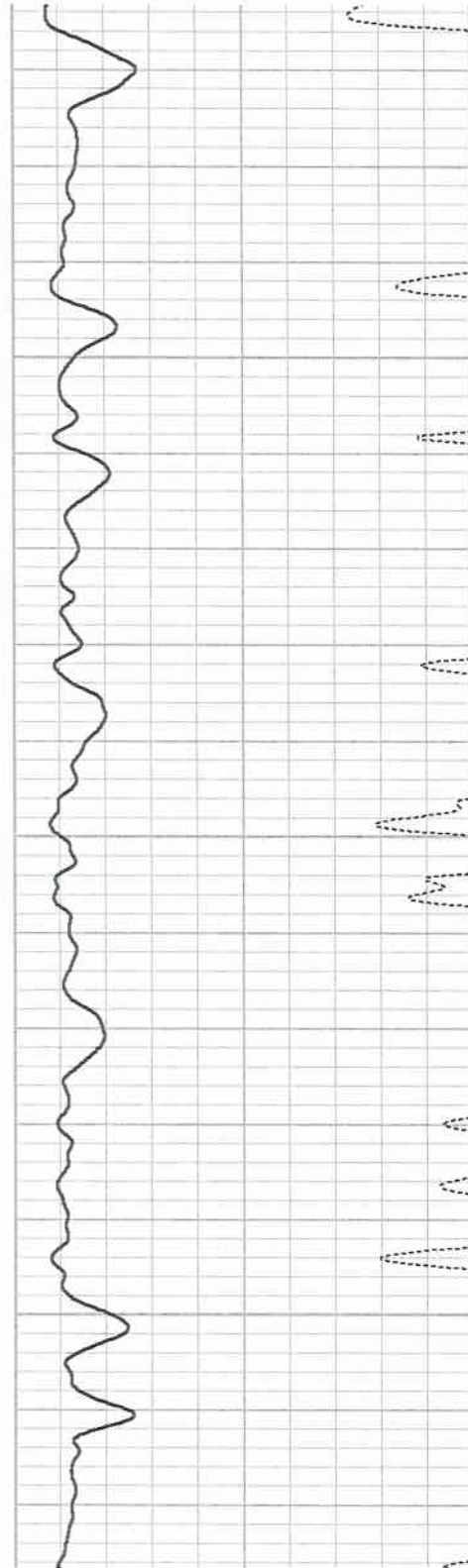
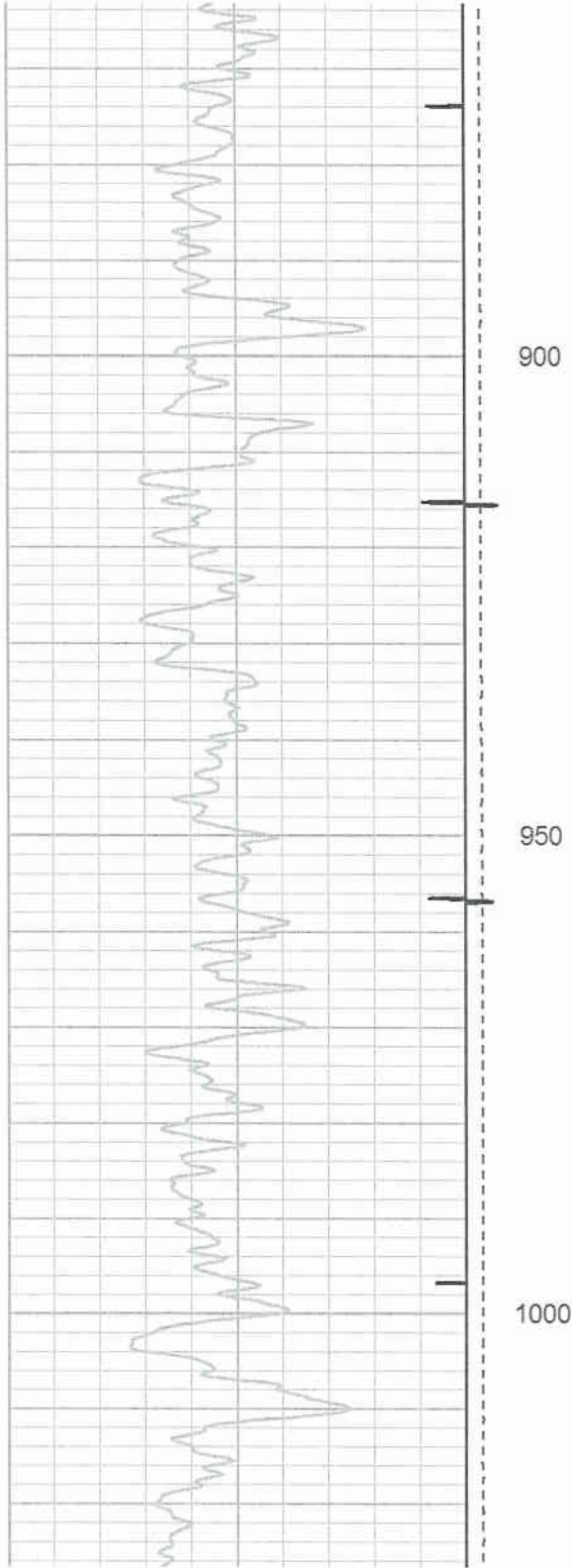
750

800

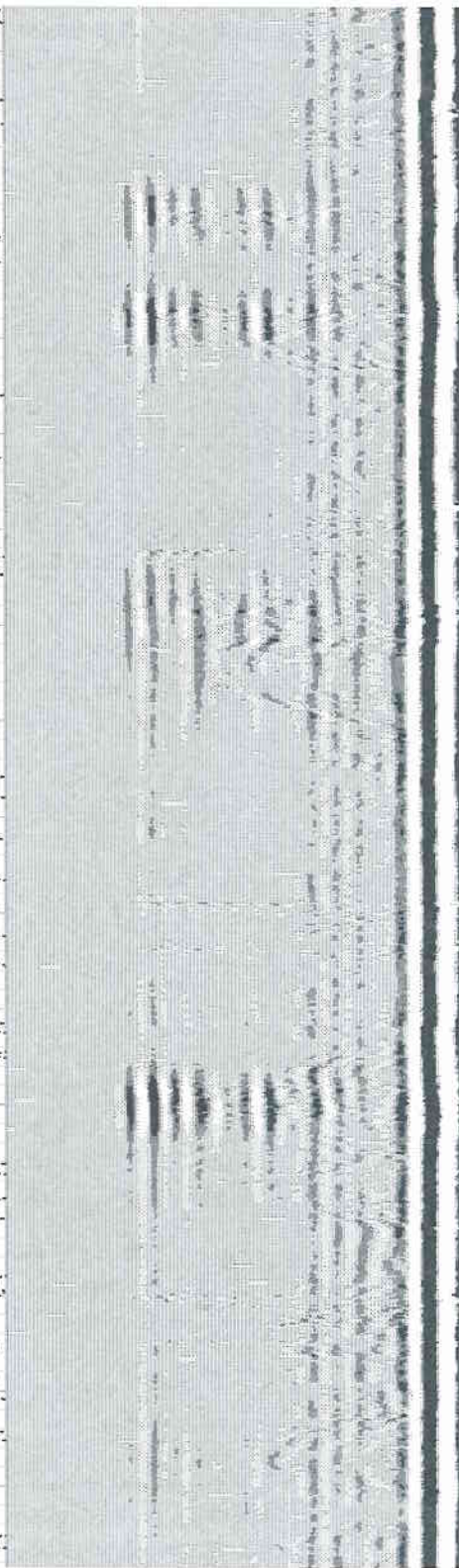
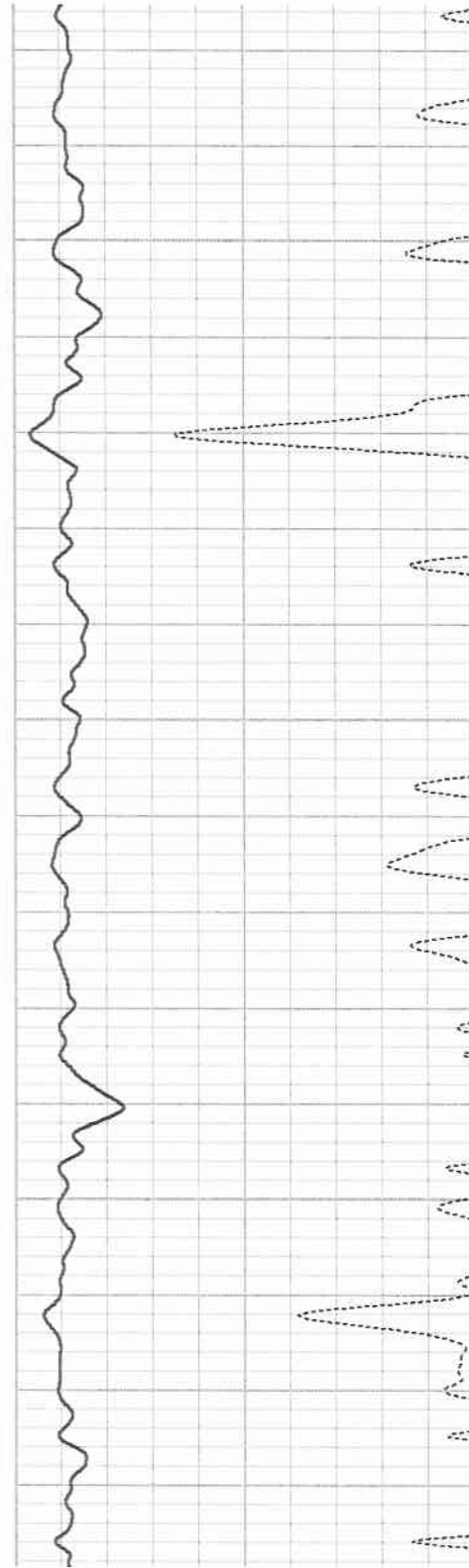
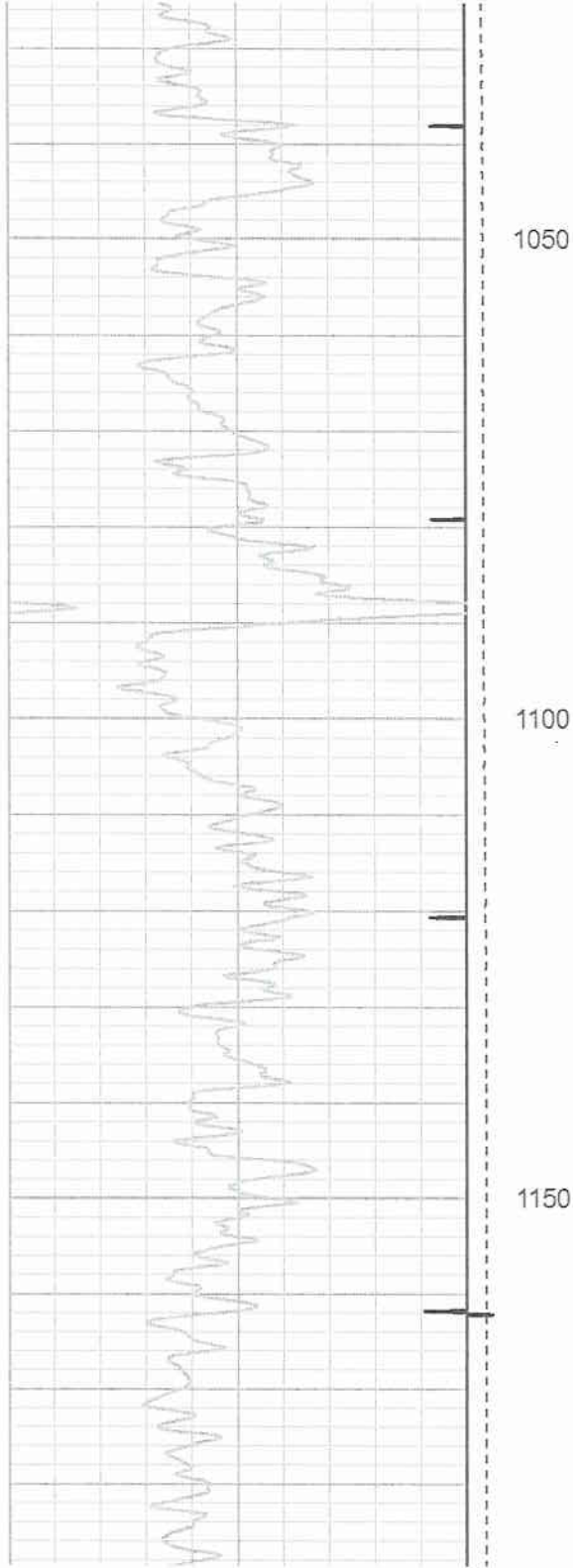
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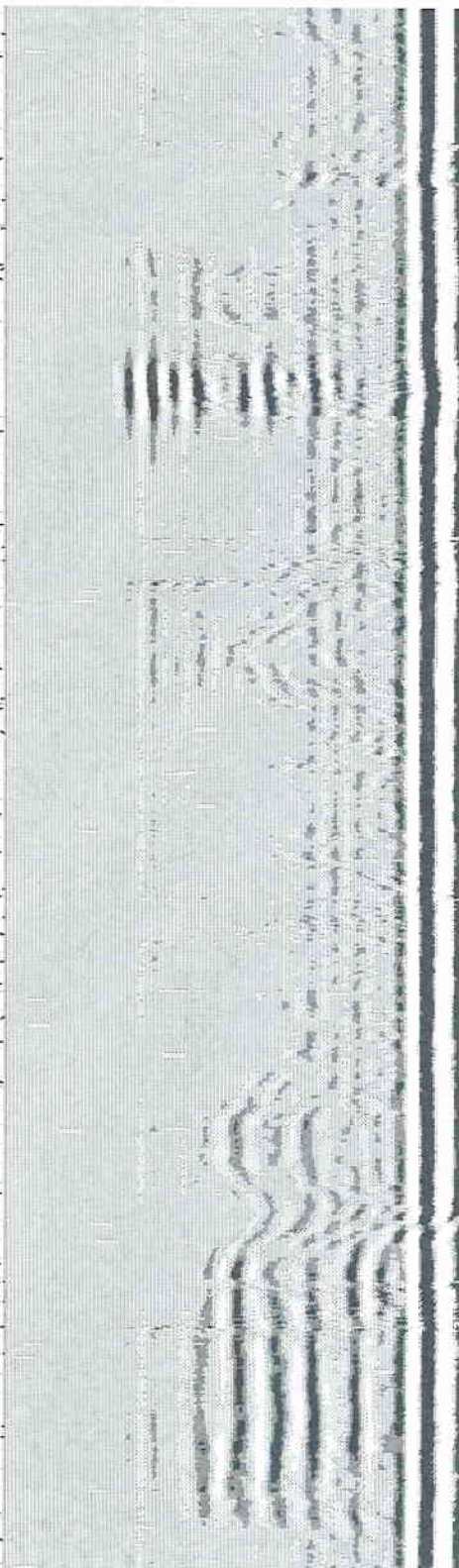
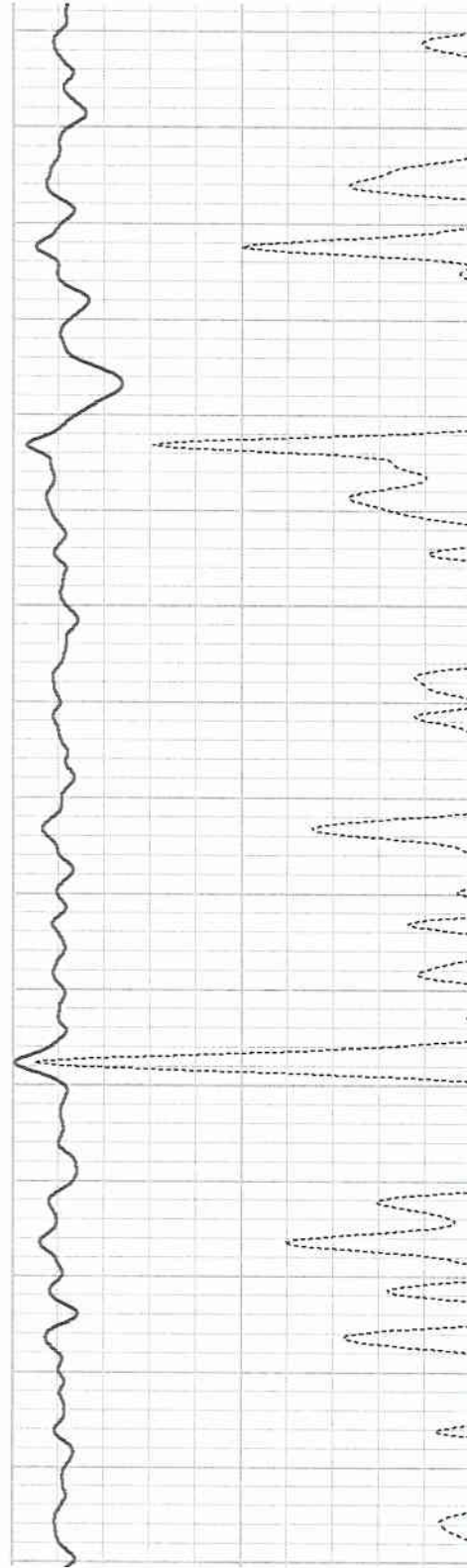
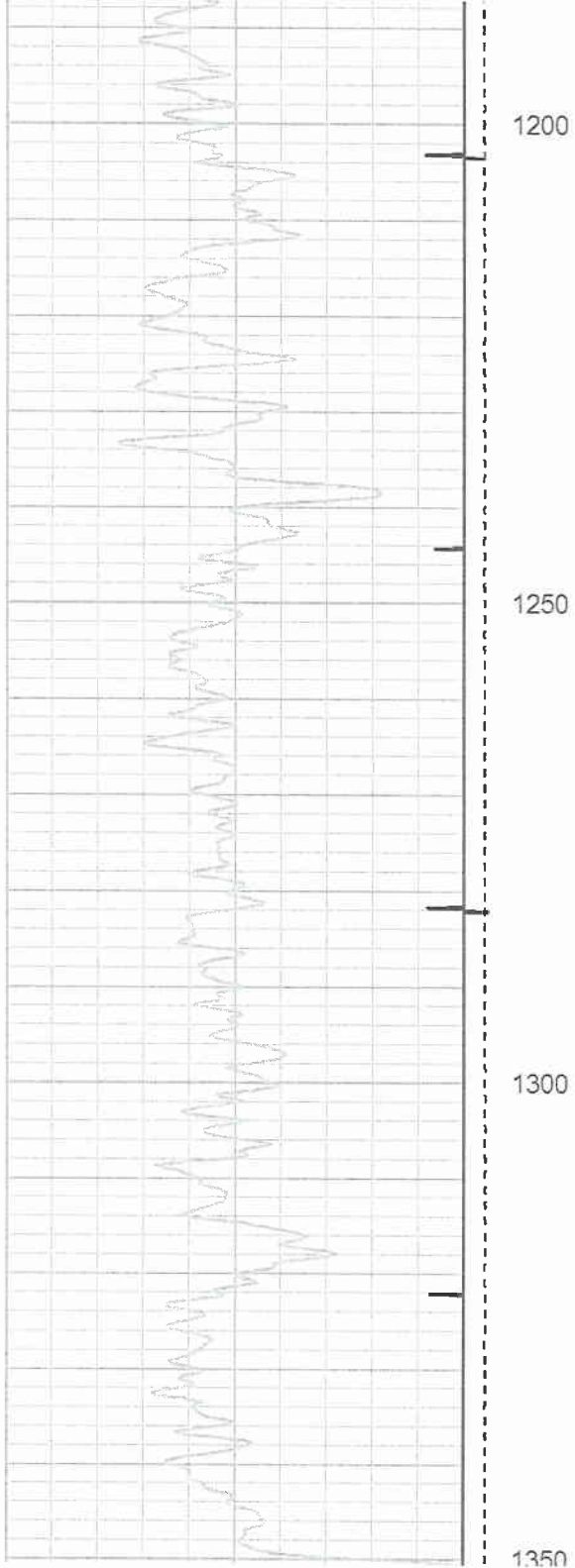




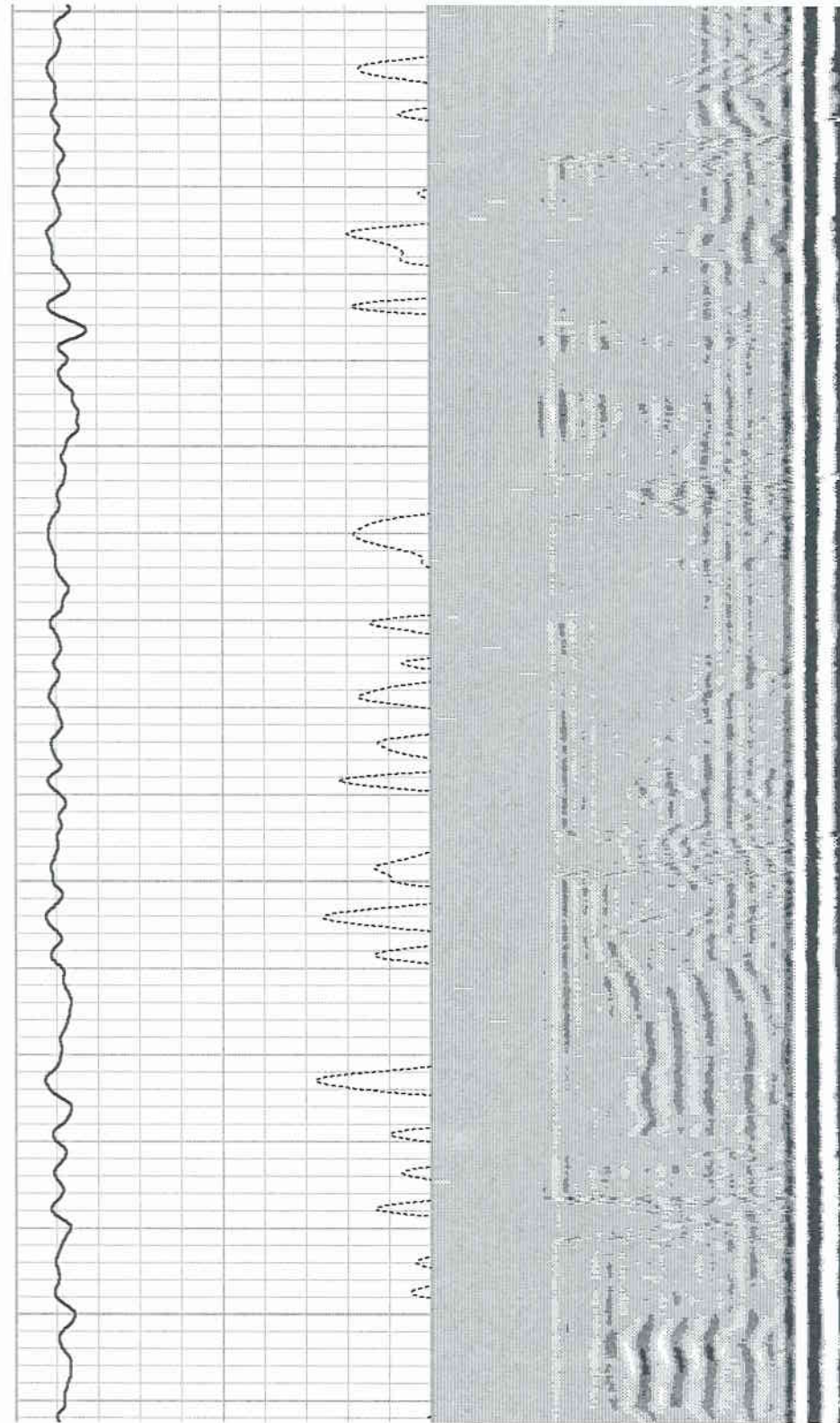
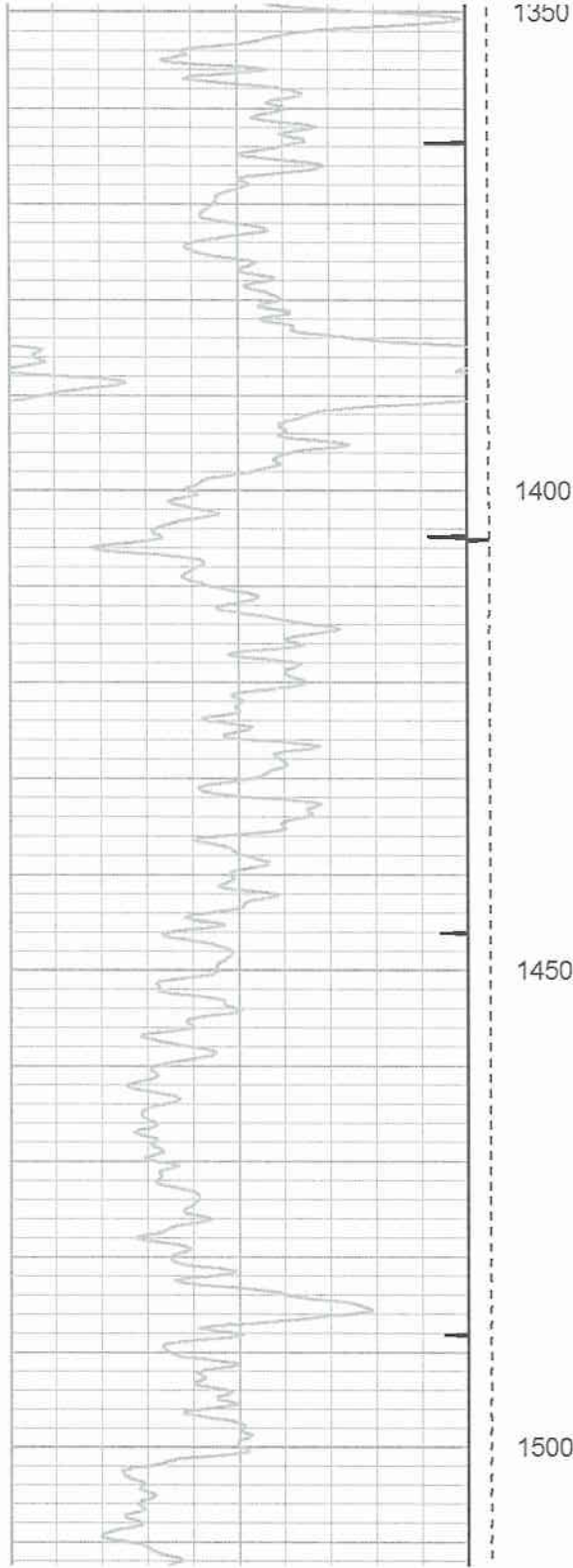




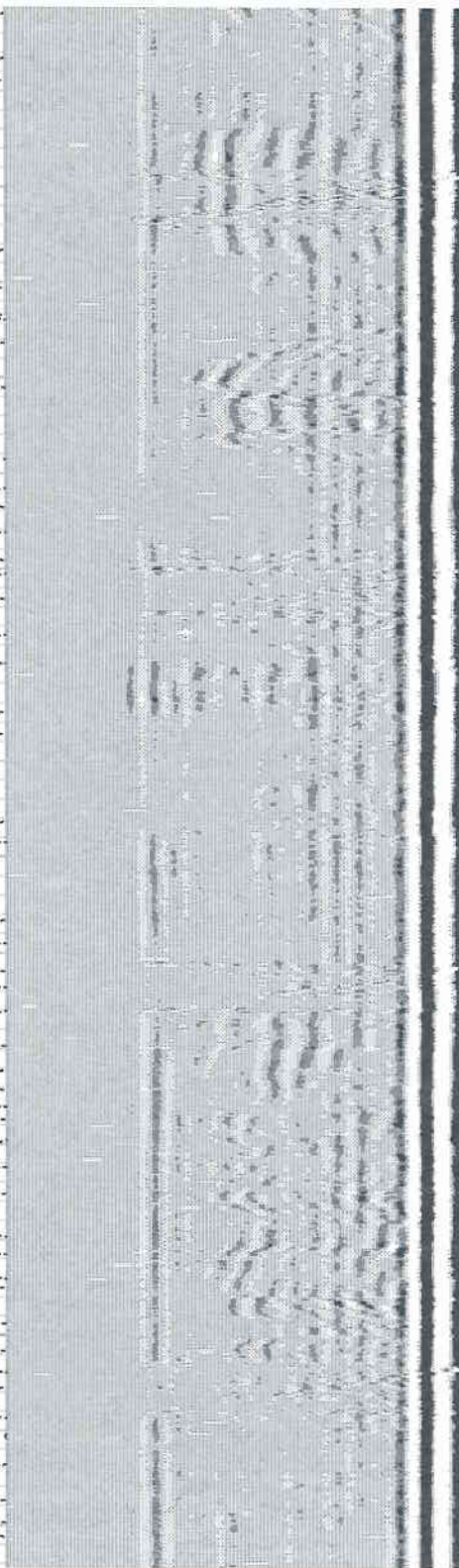
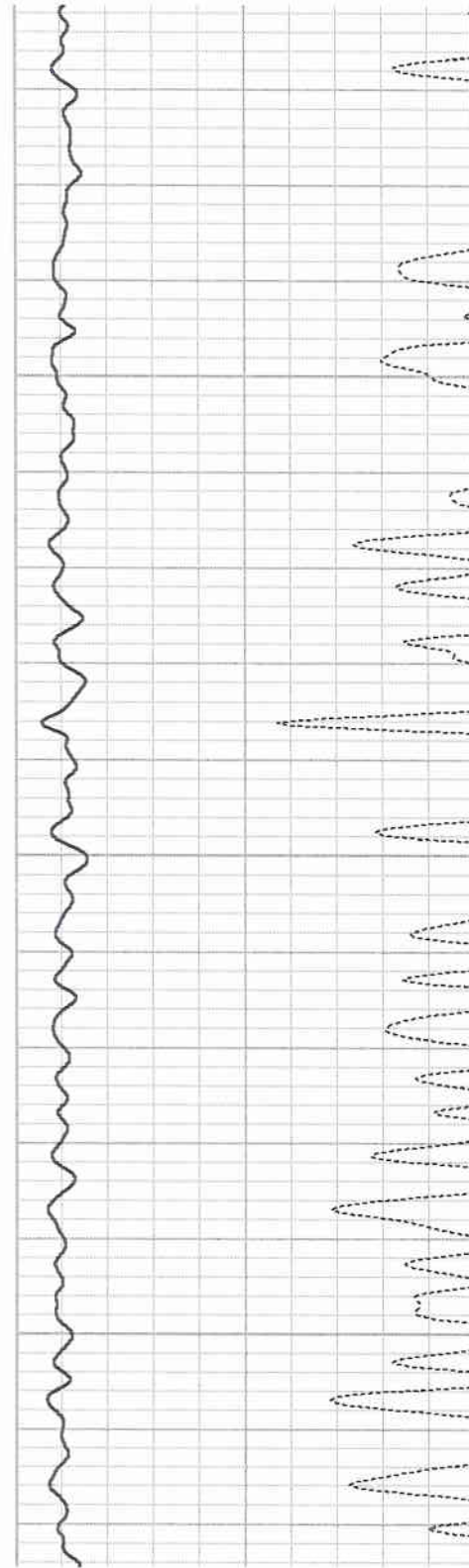
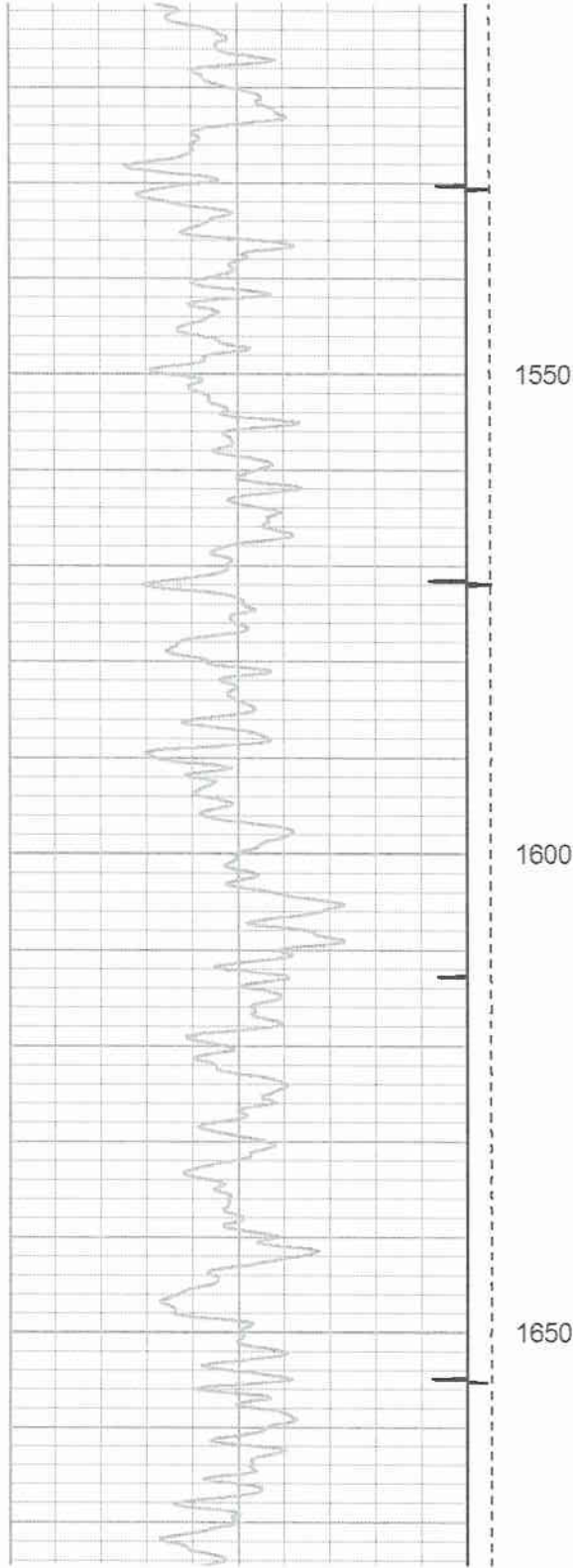




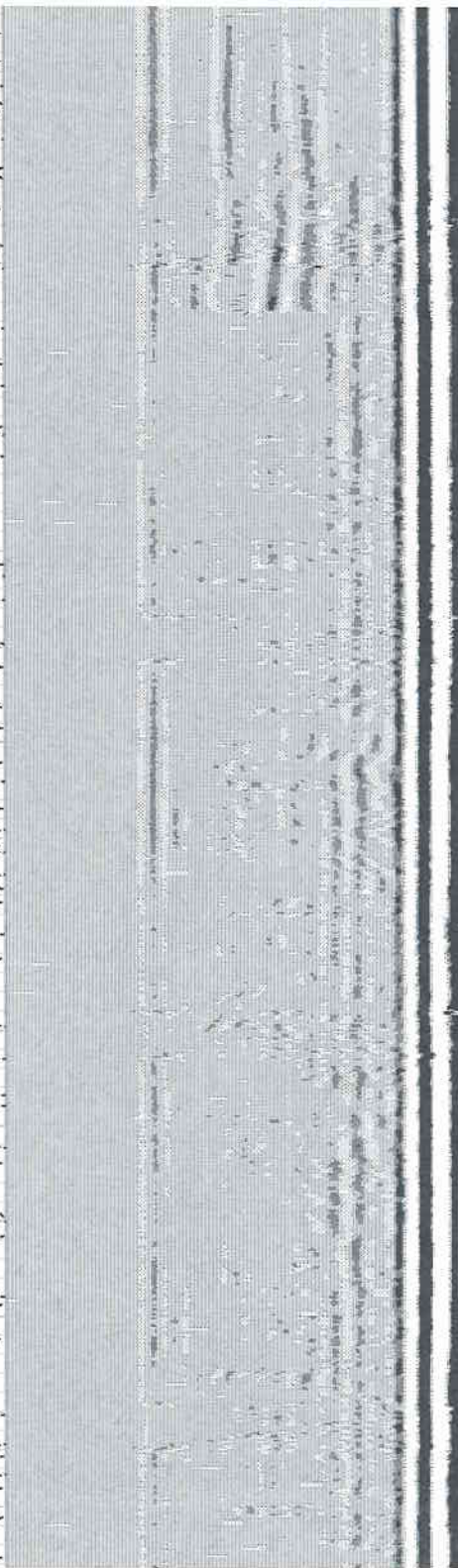
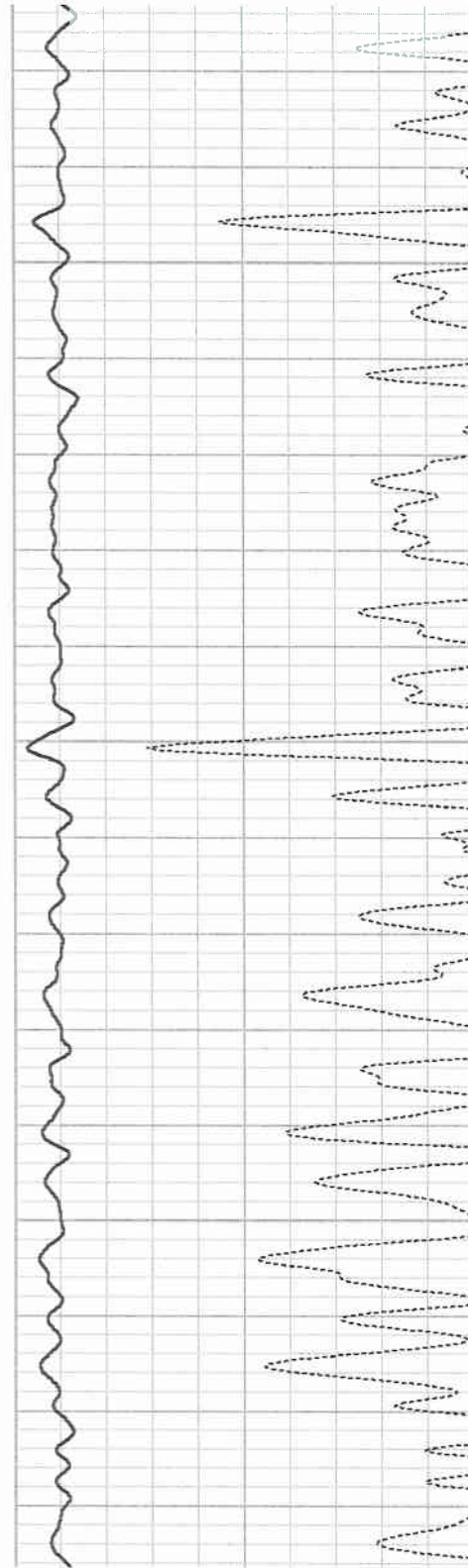
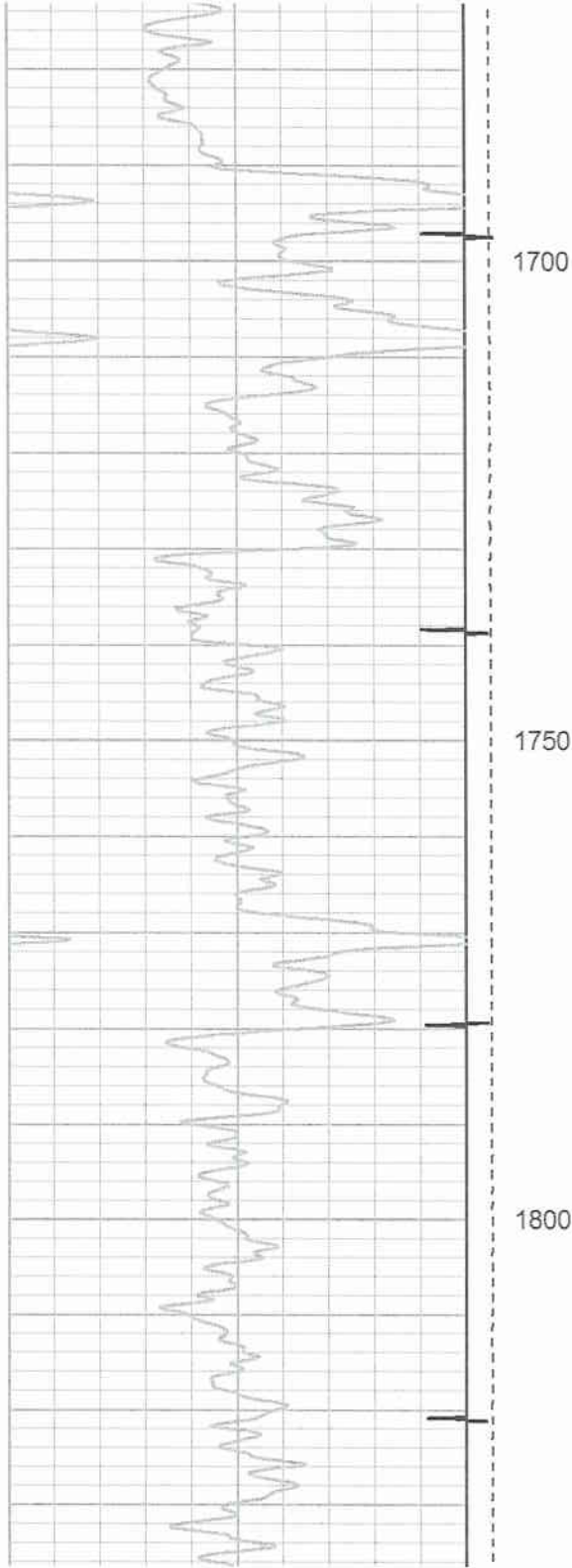




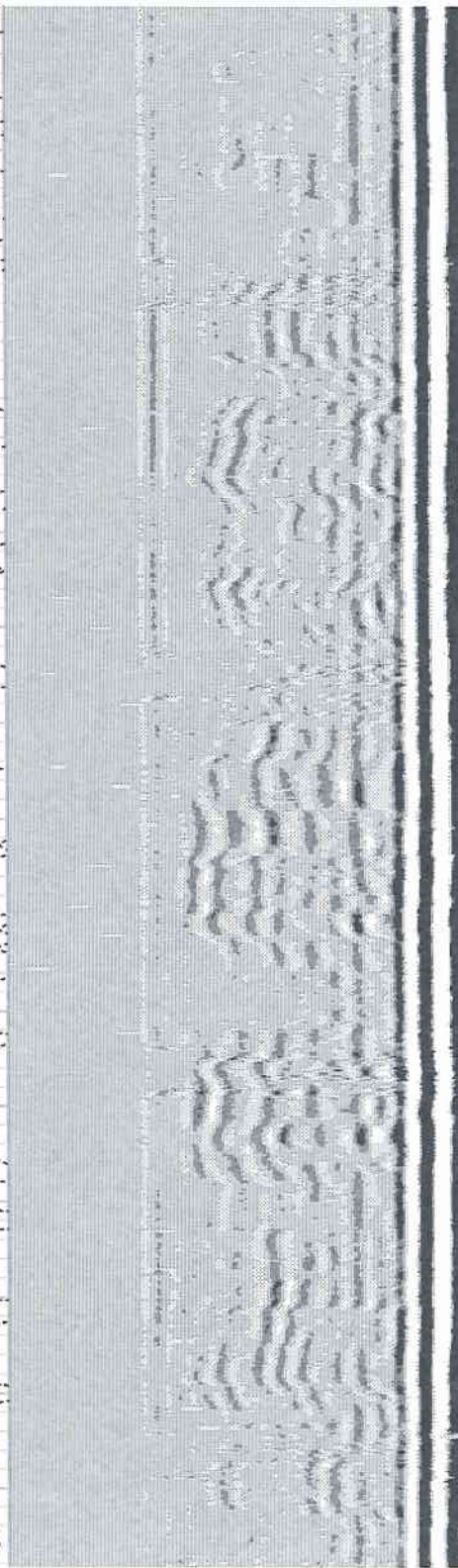
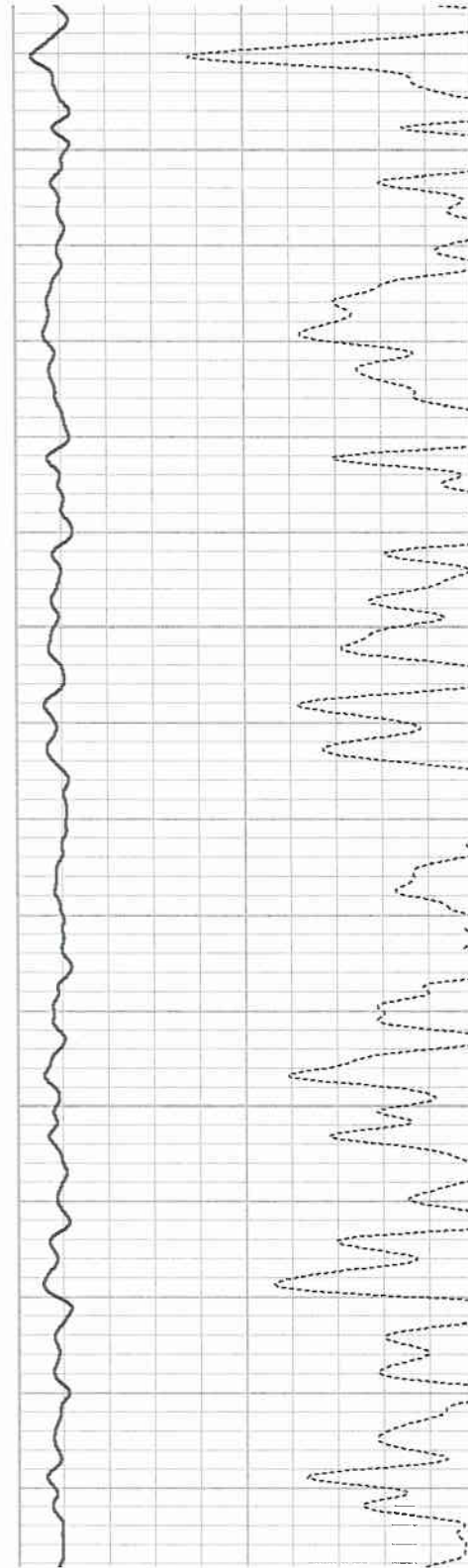
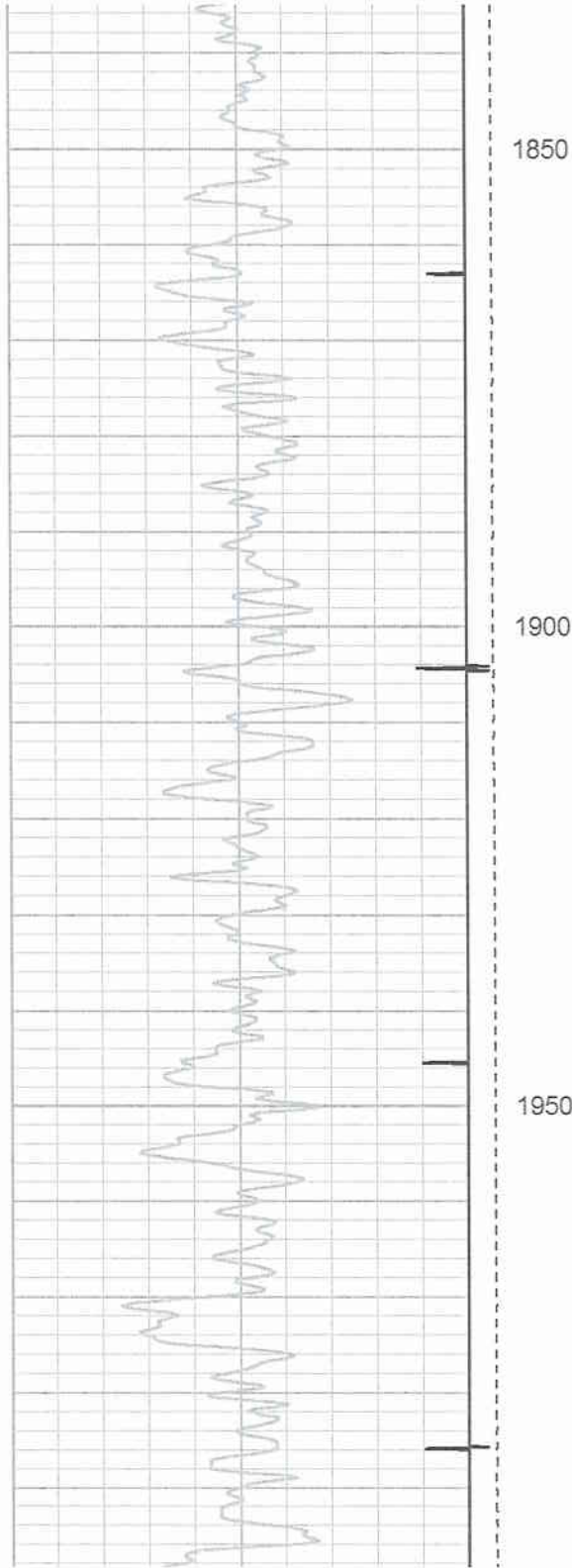




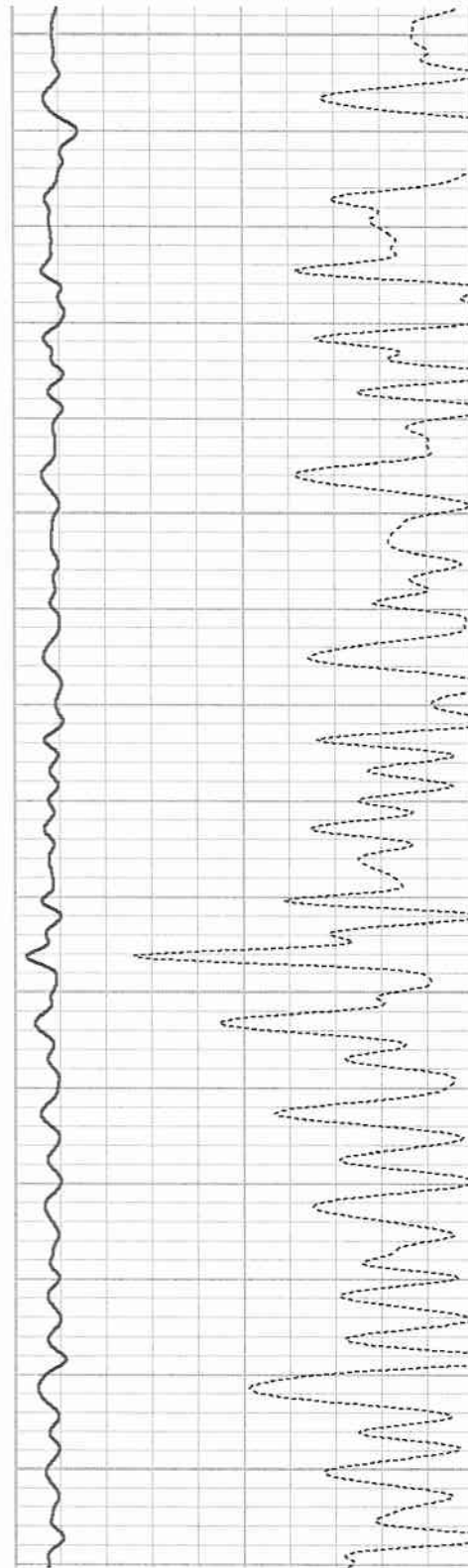
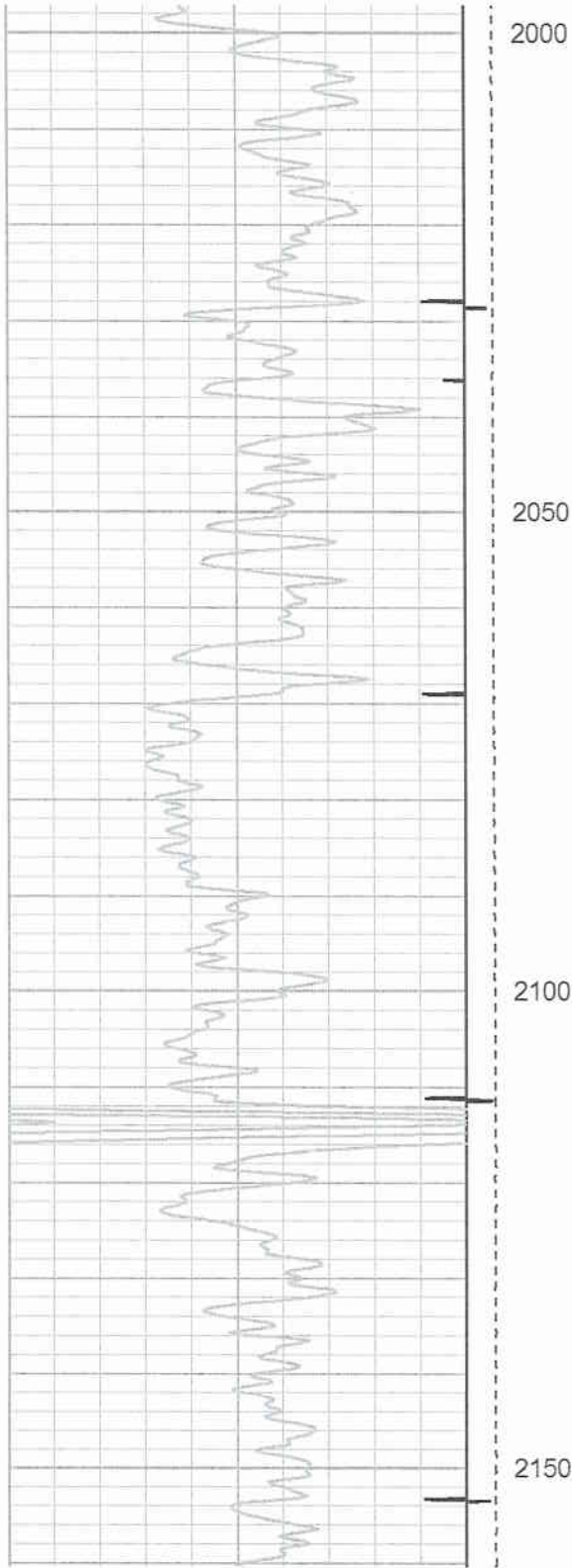




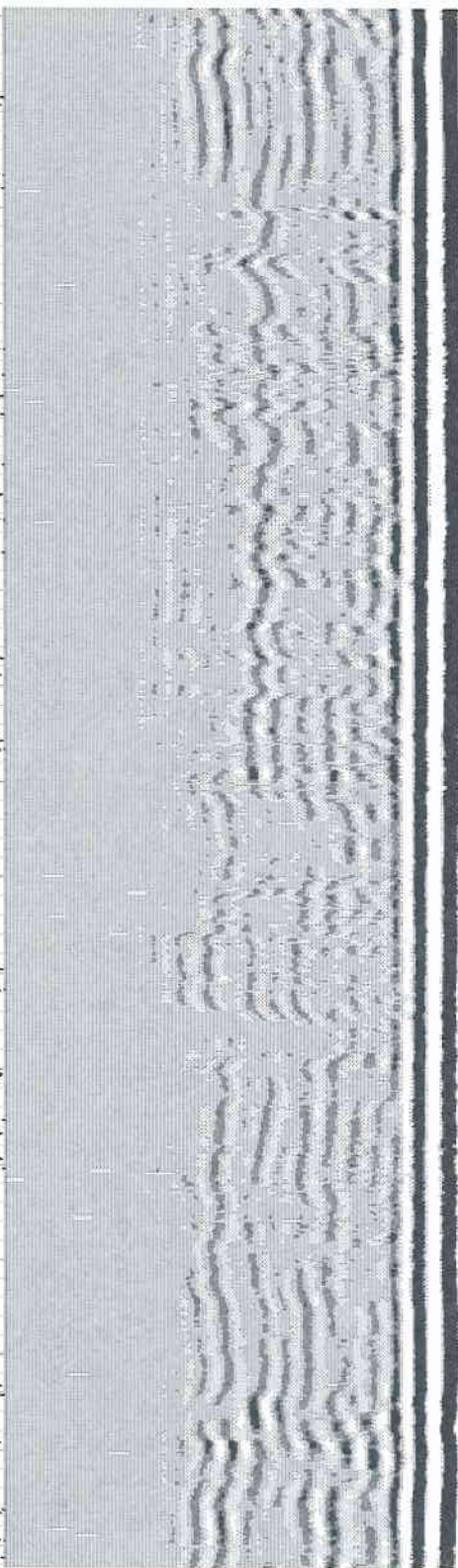
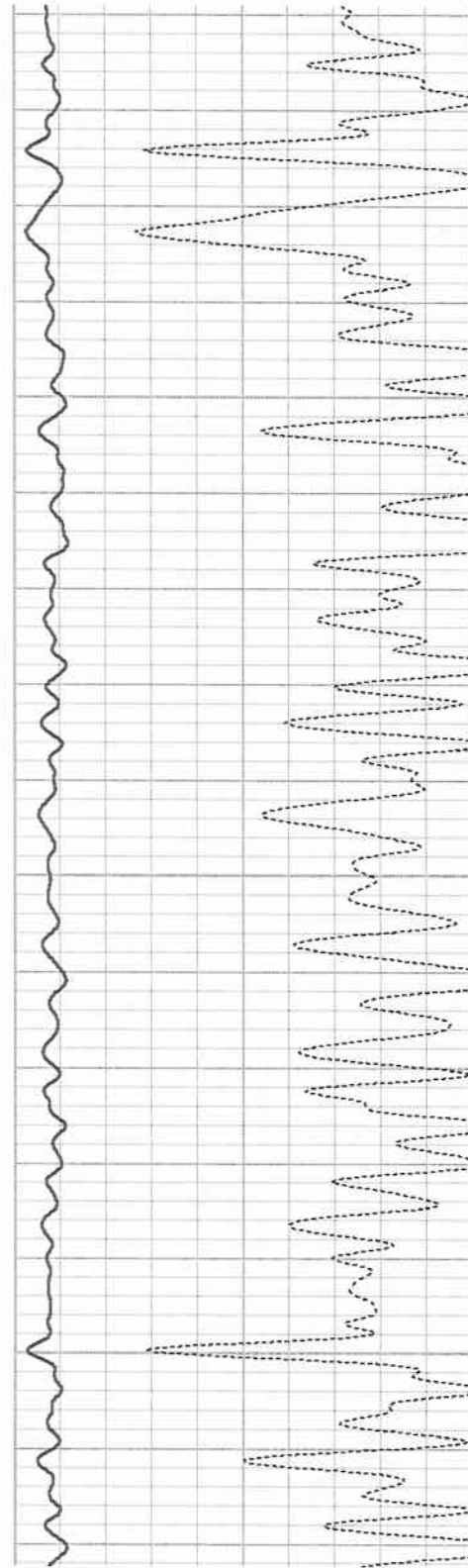
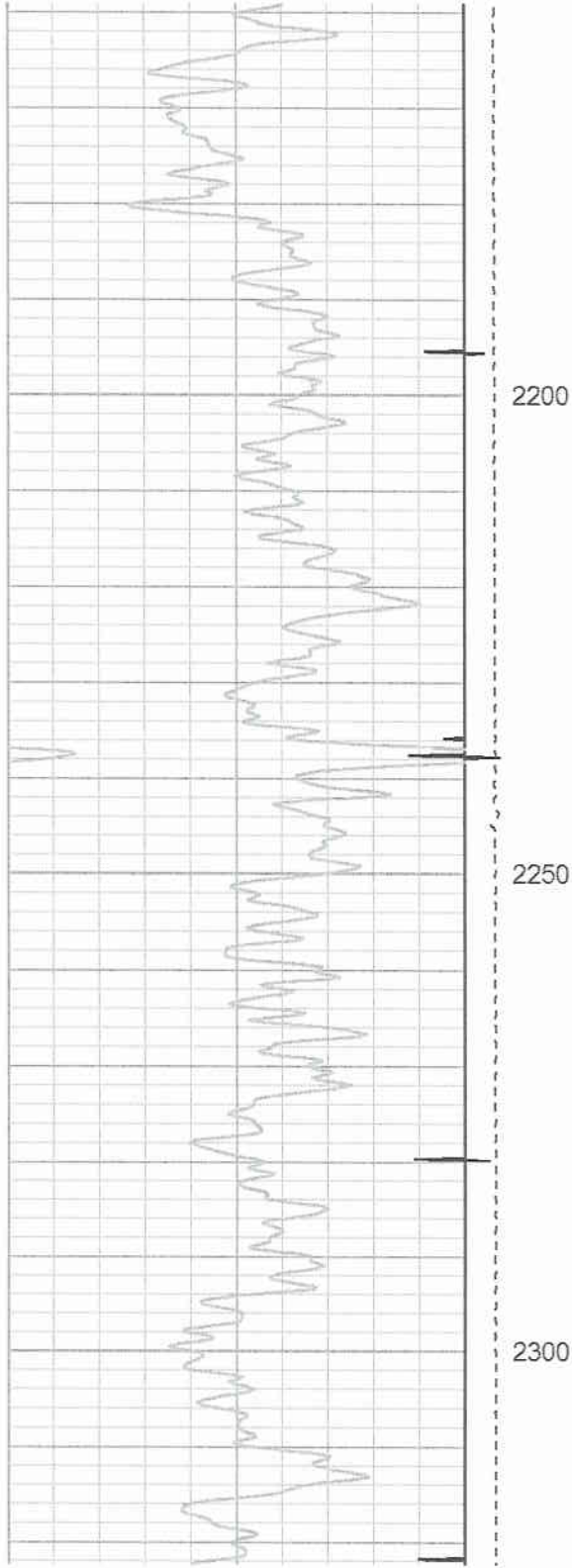




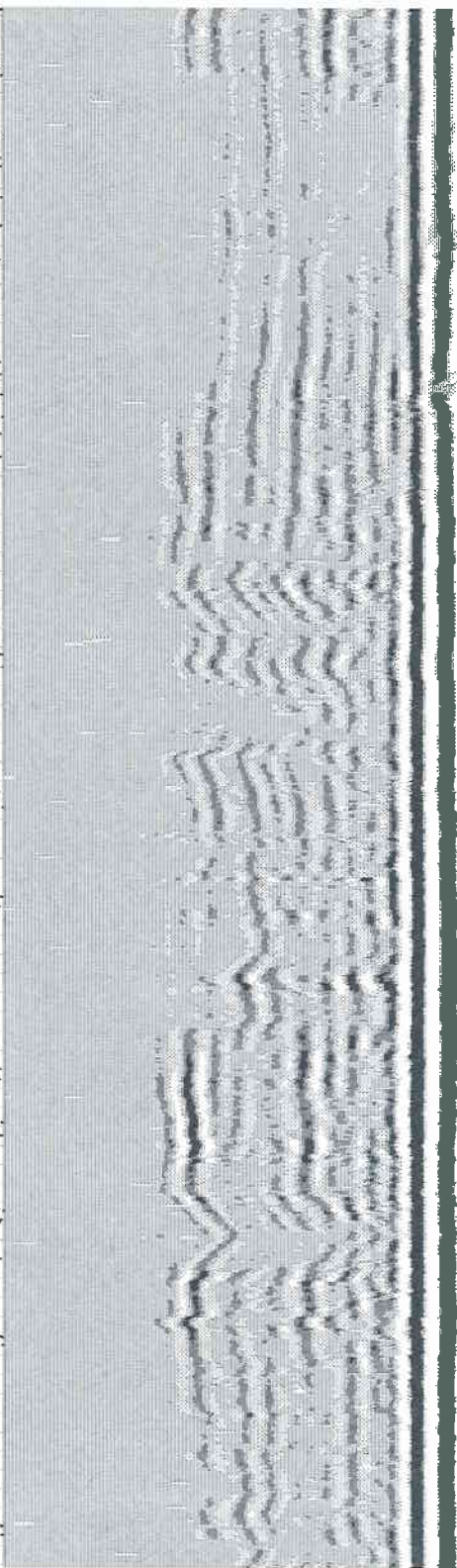
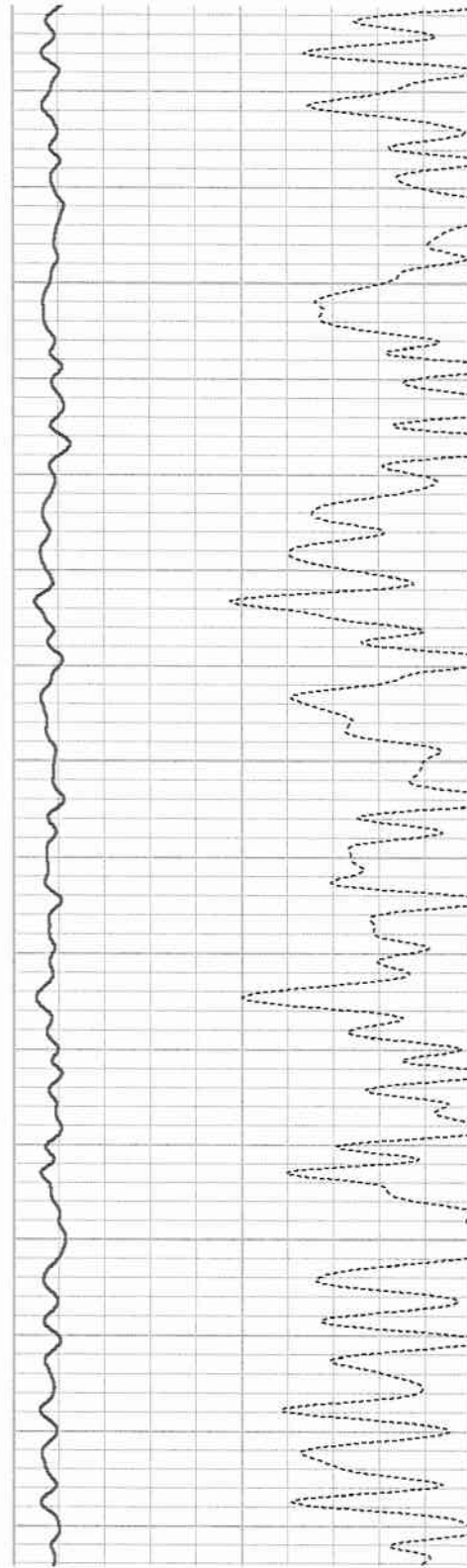
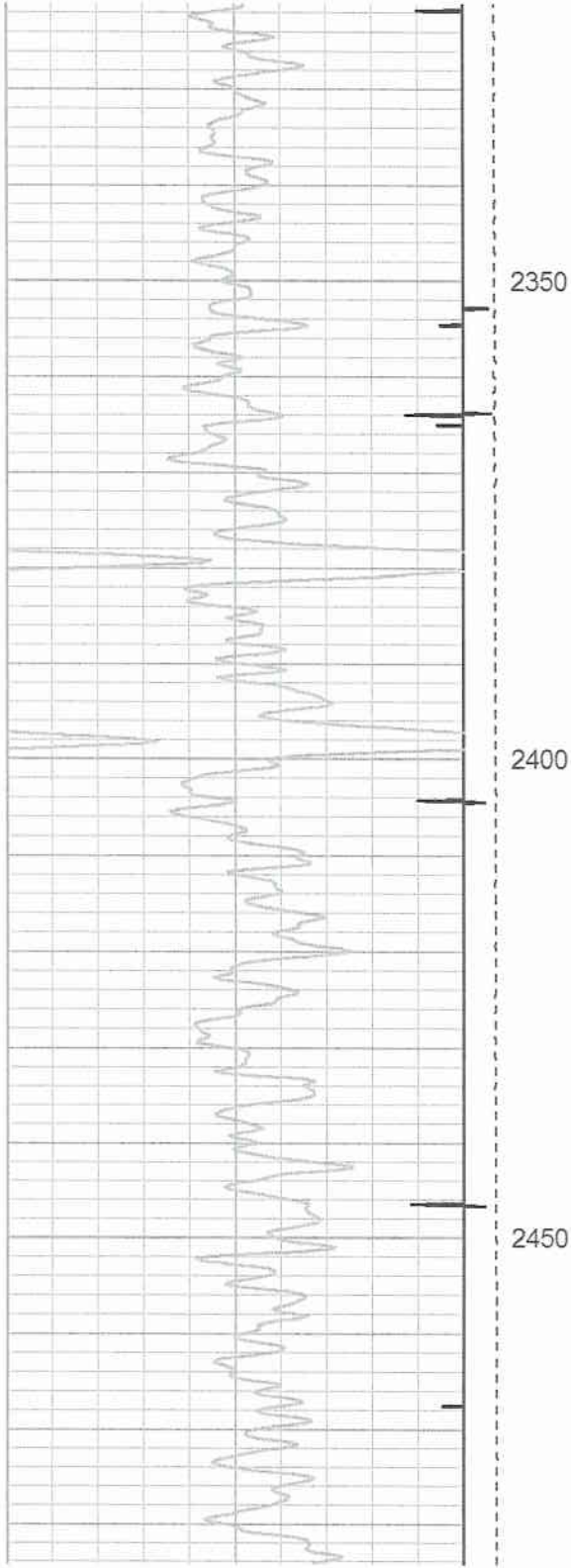




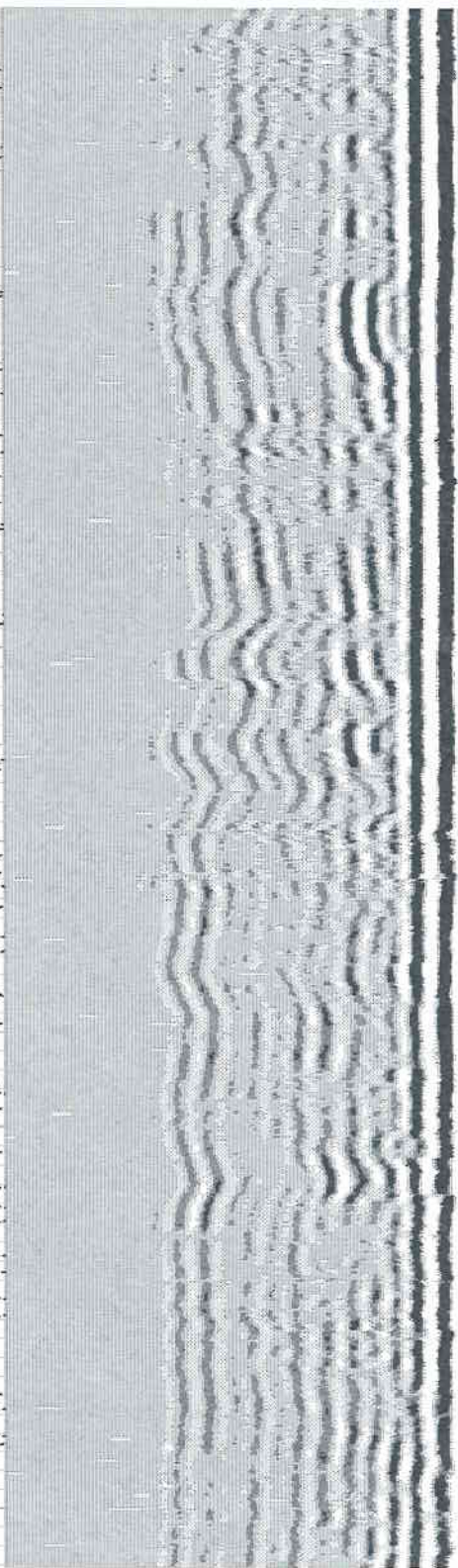
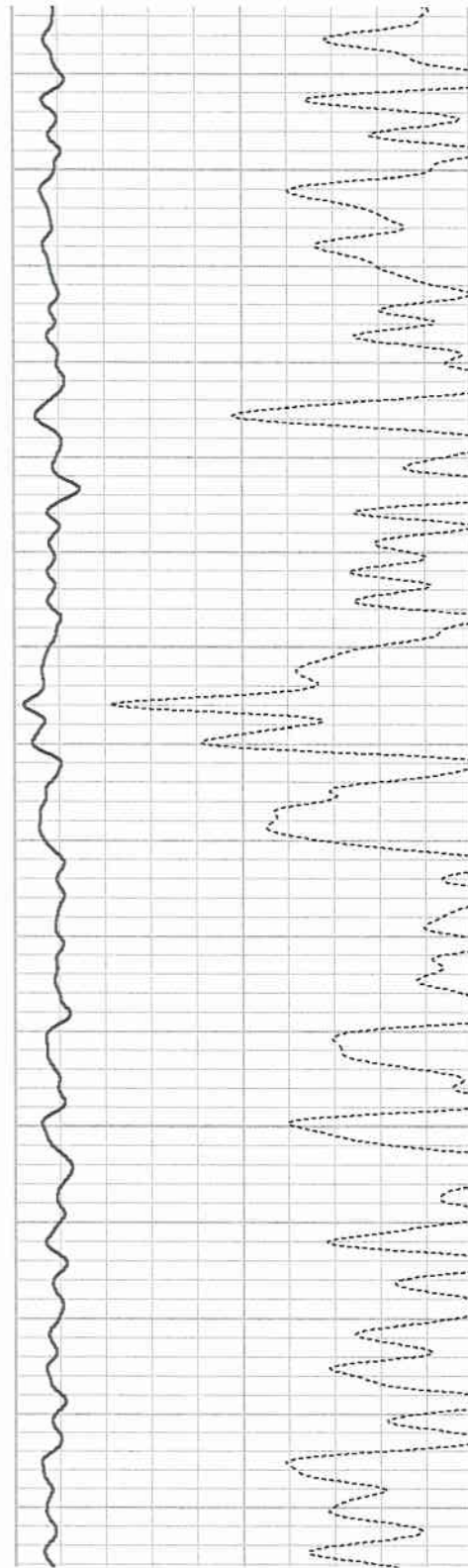
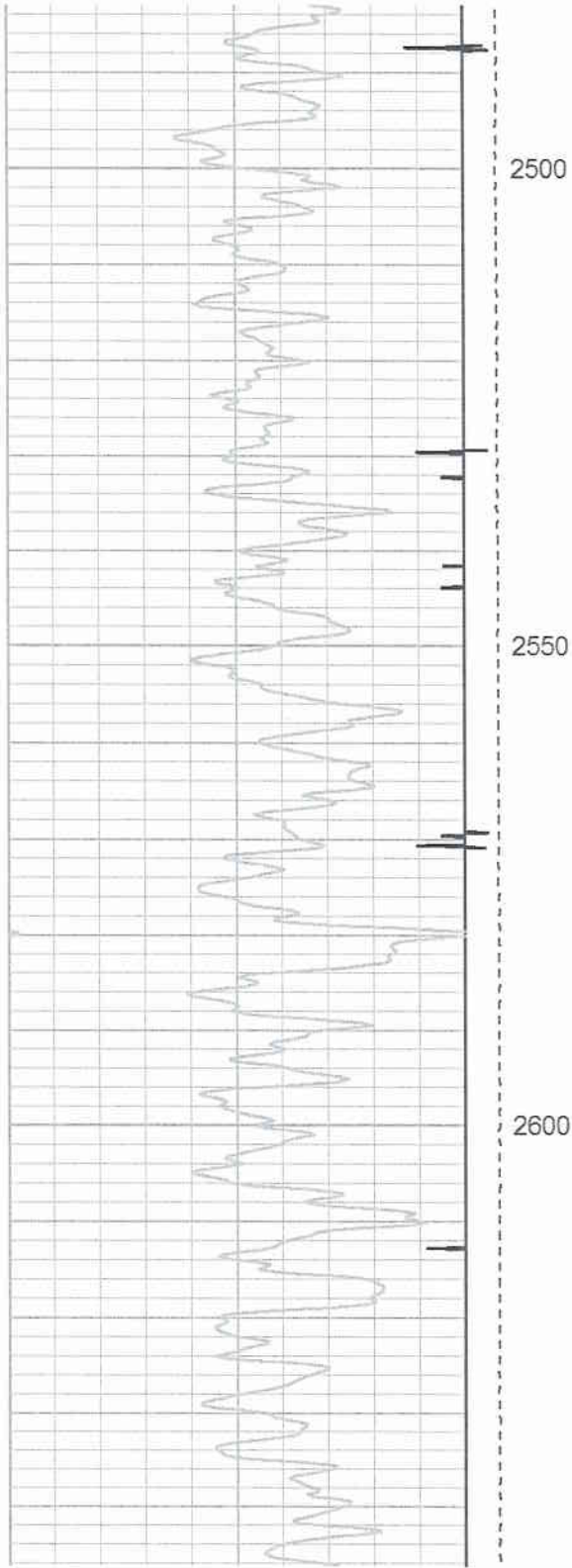




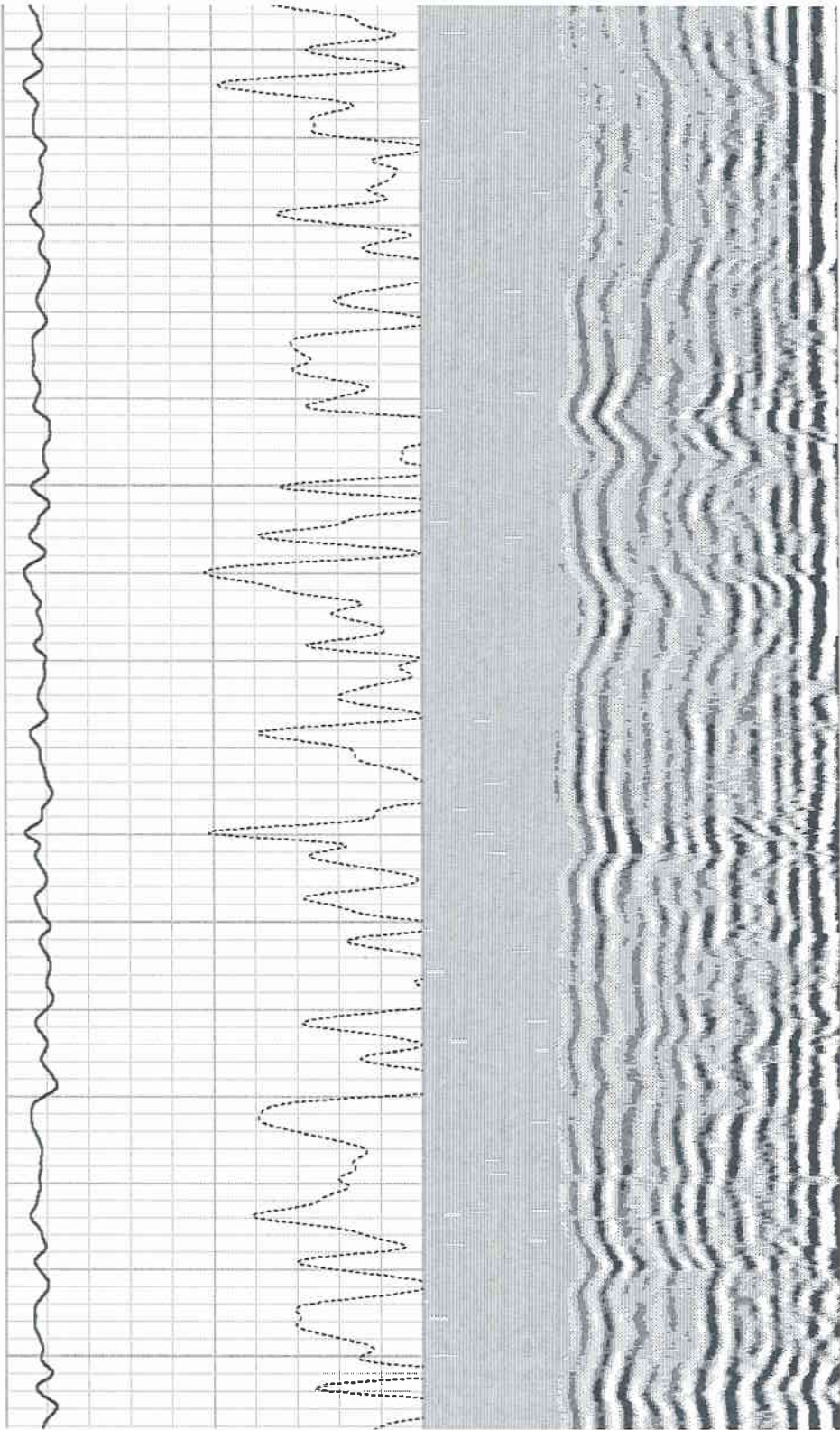
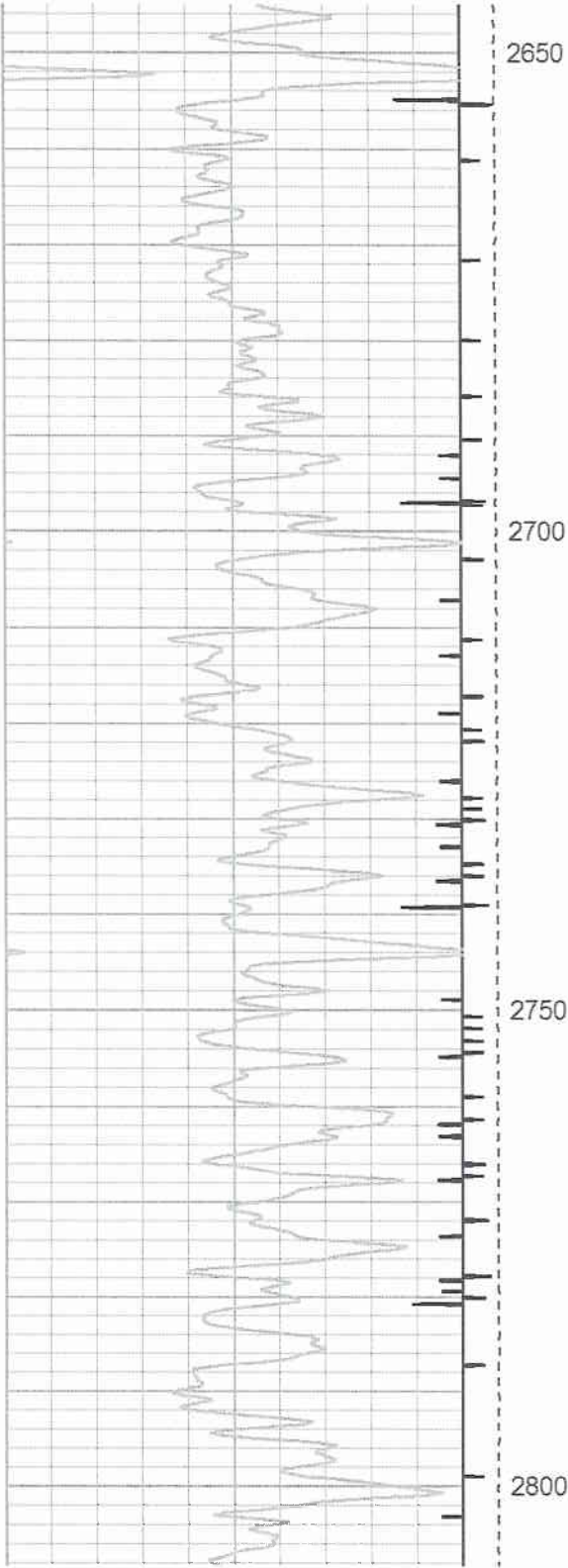




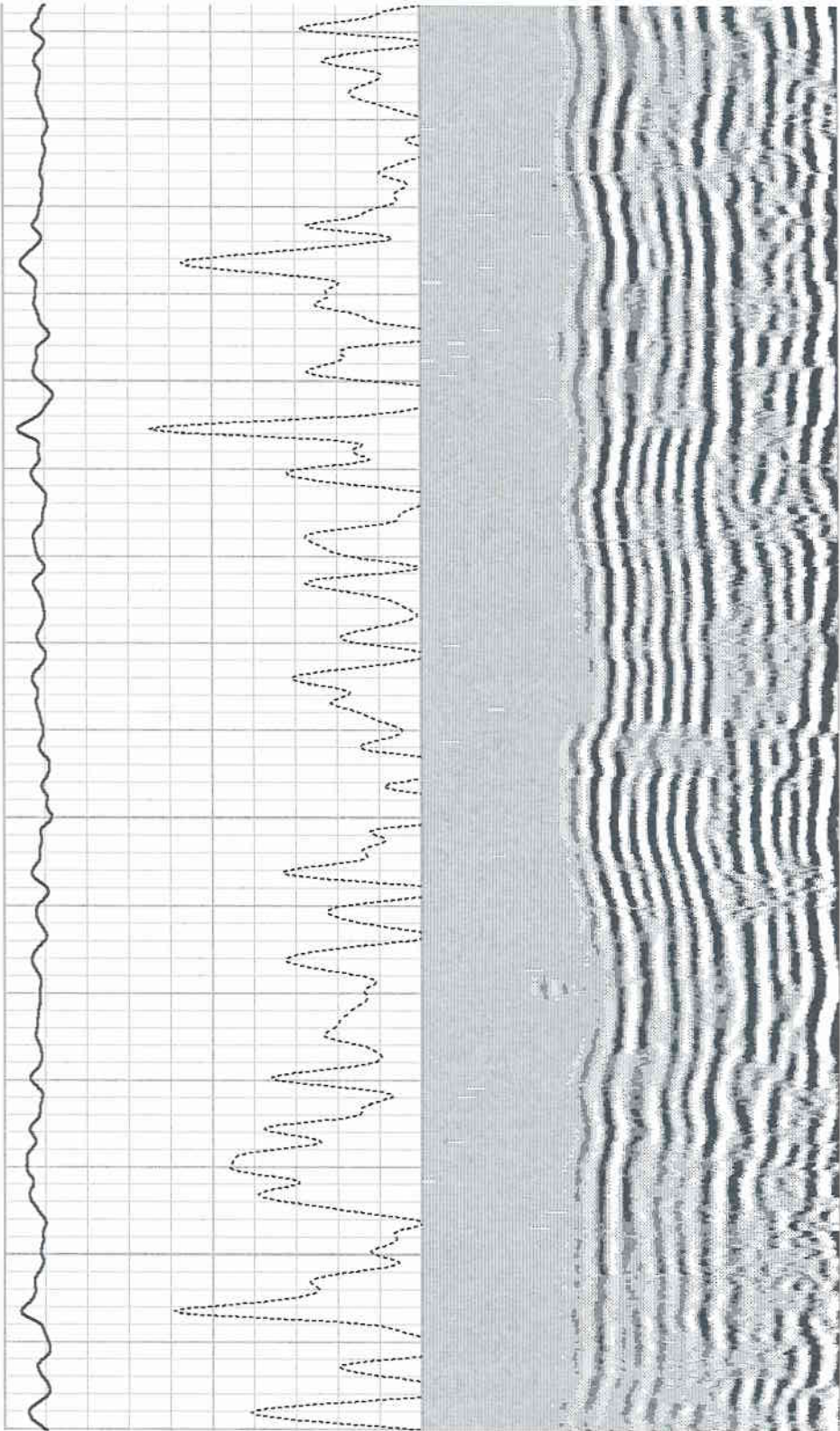
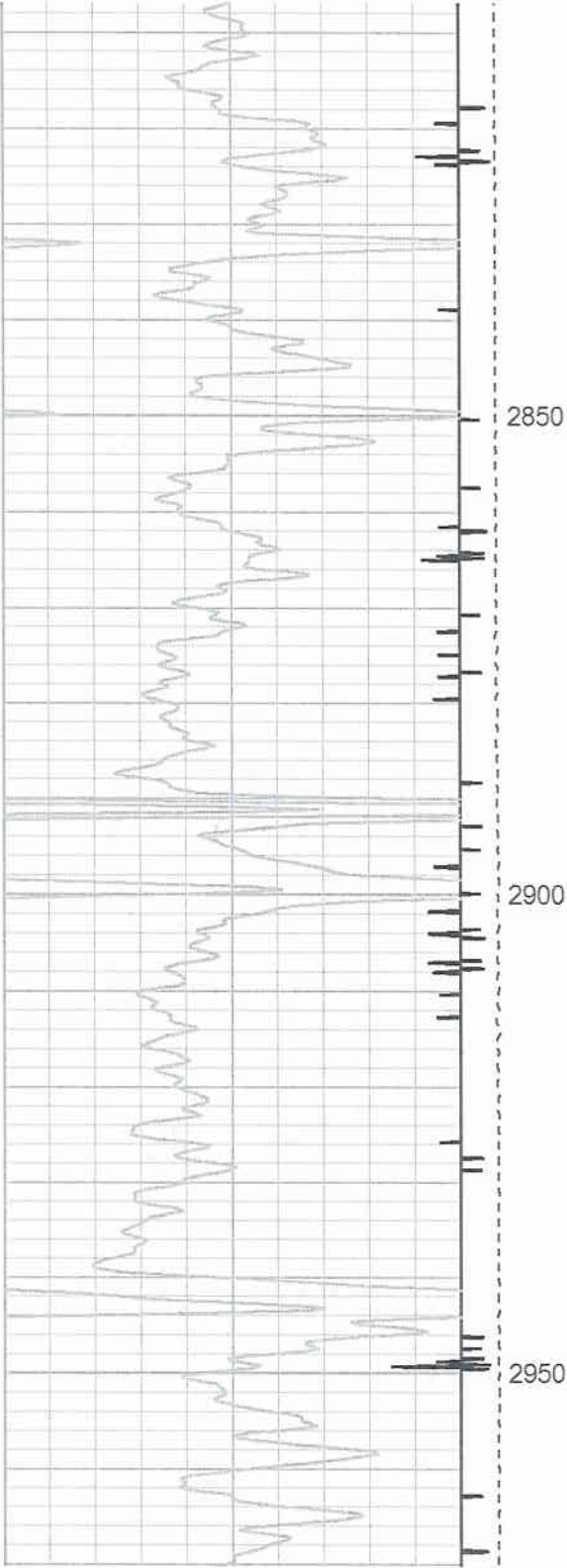




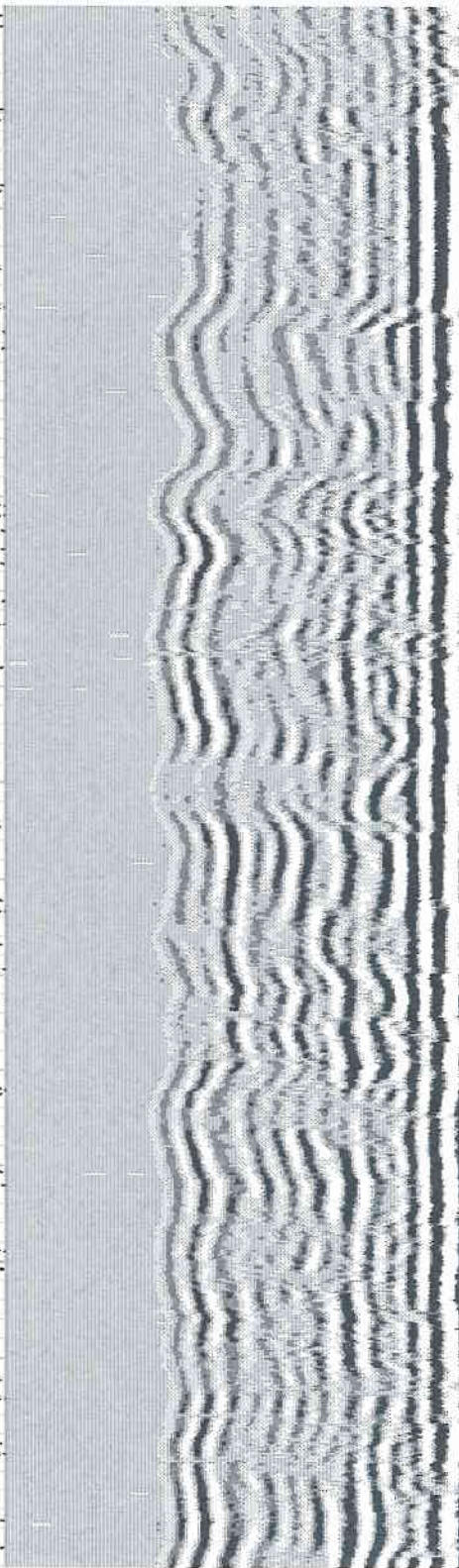
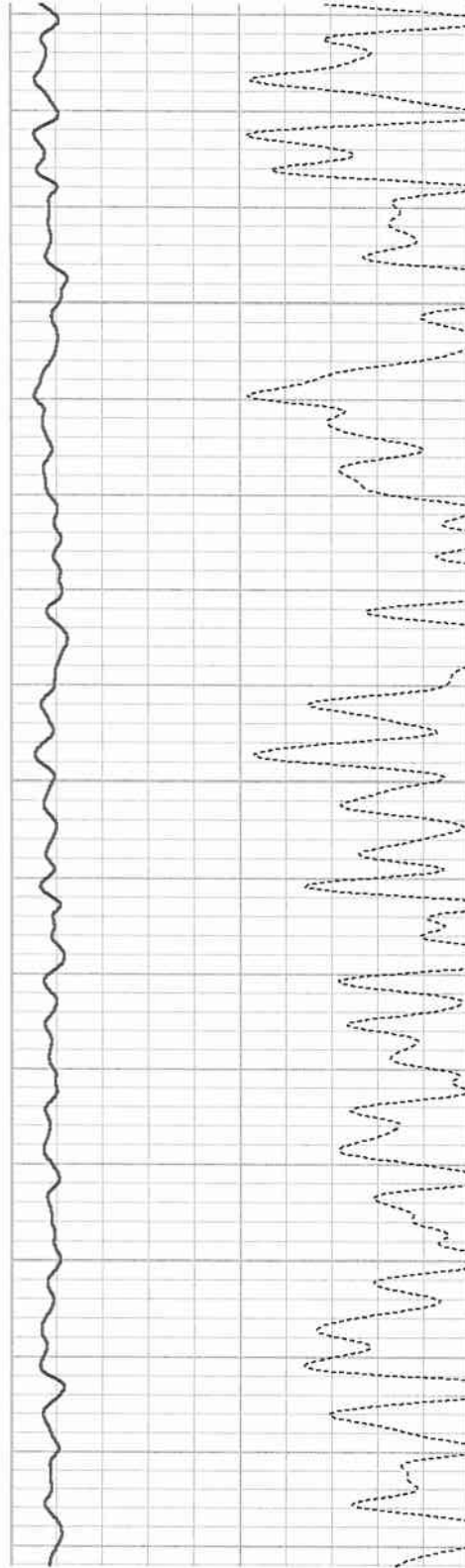
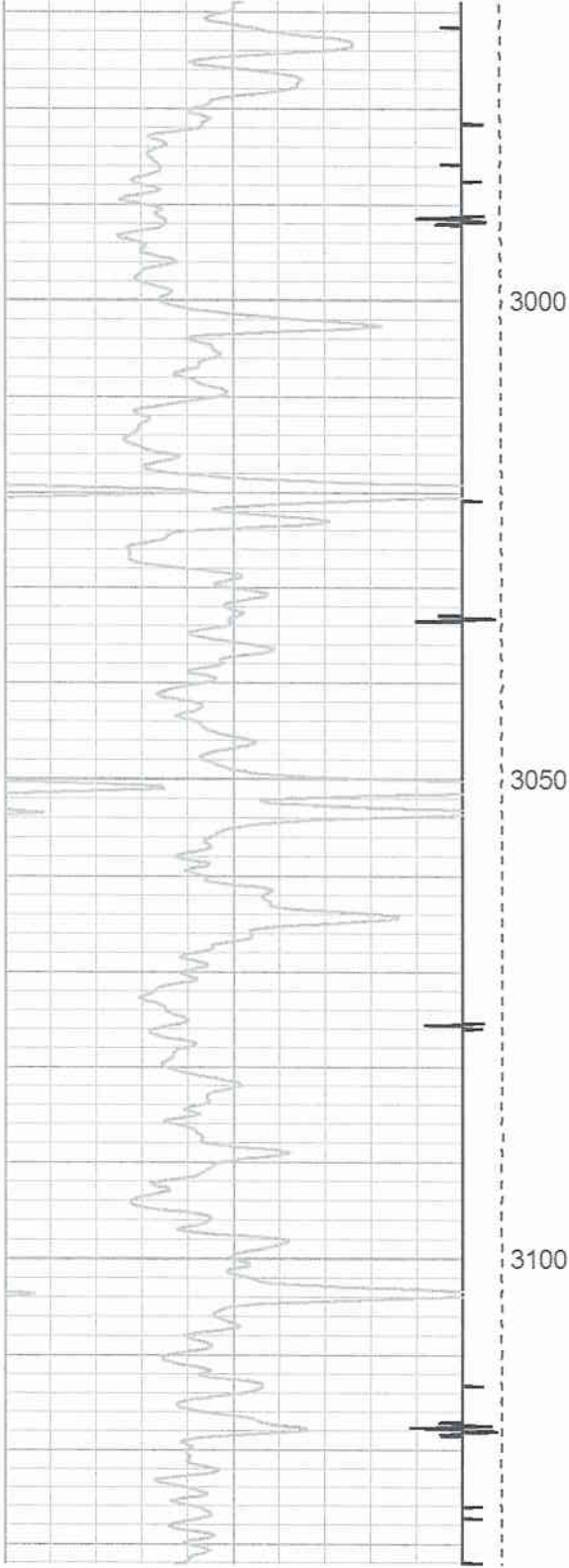




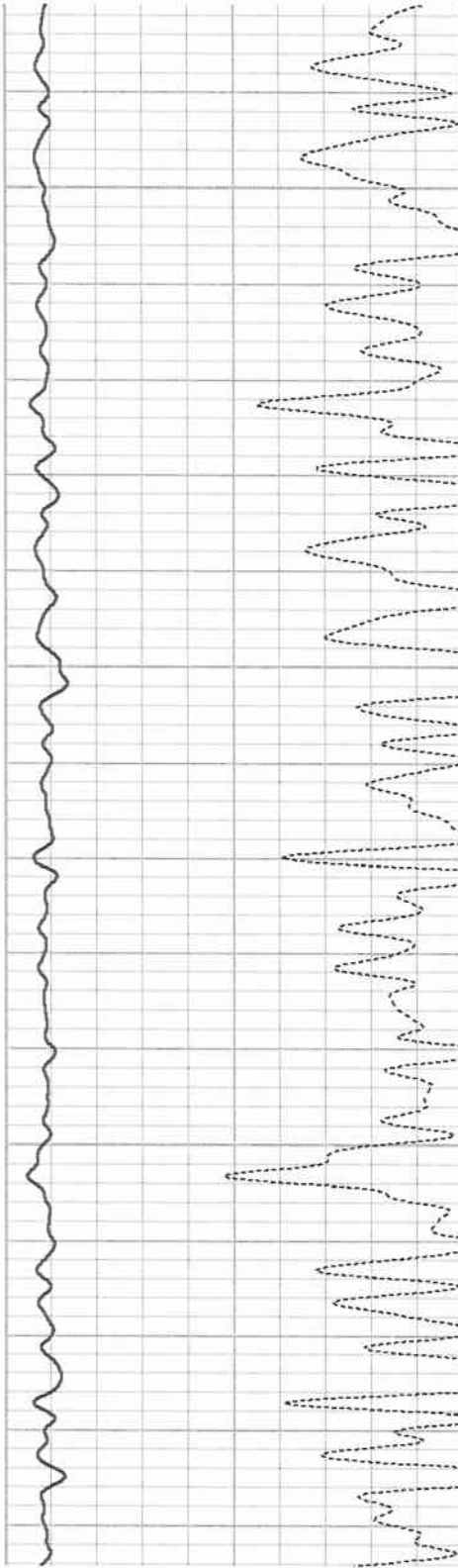
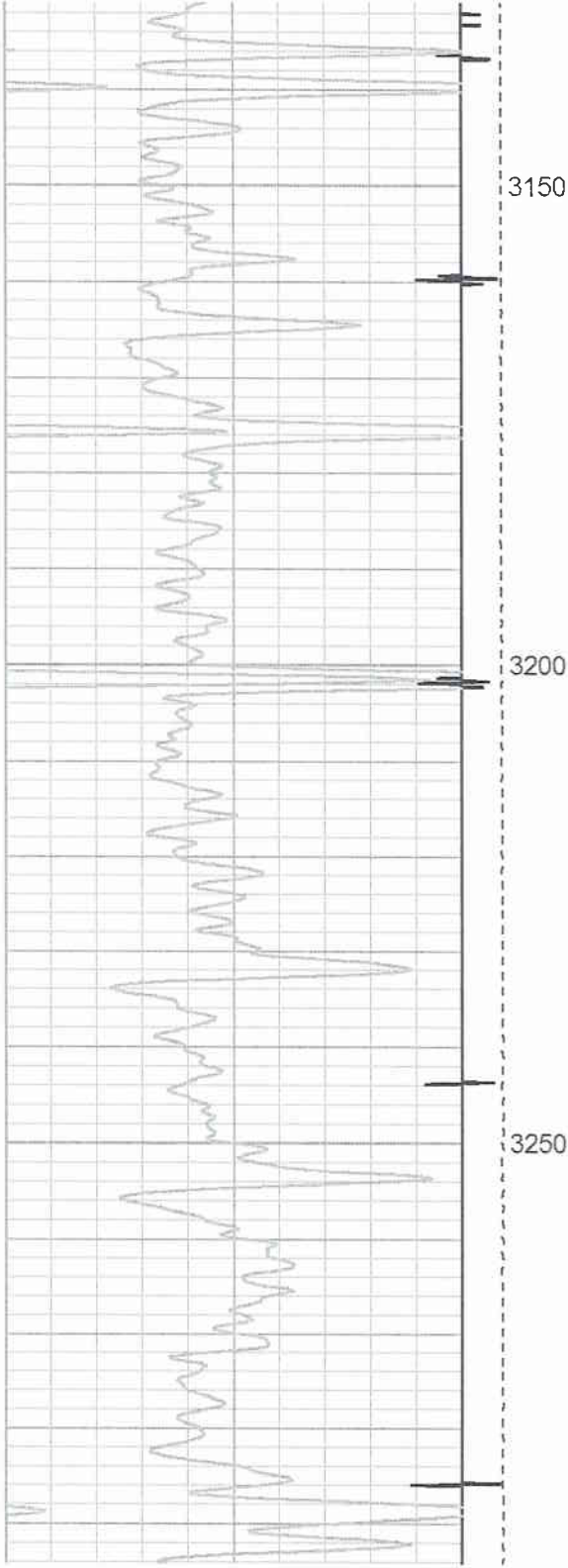




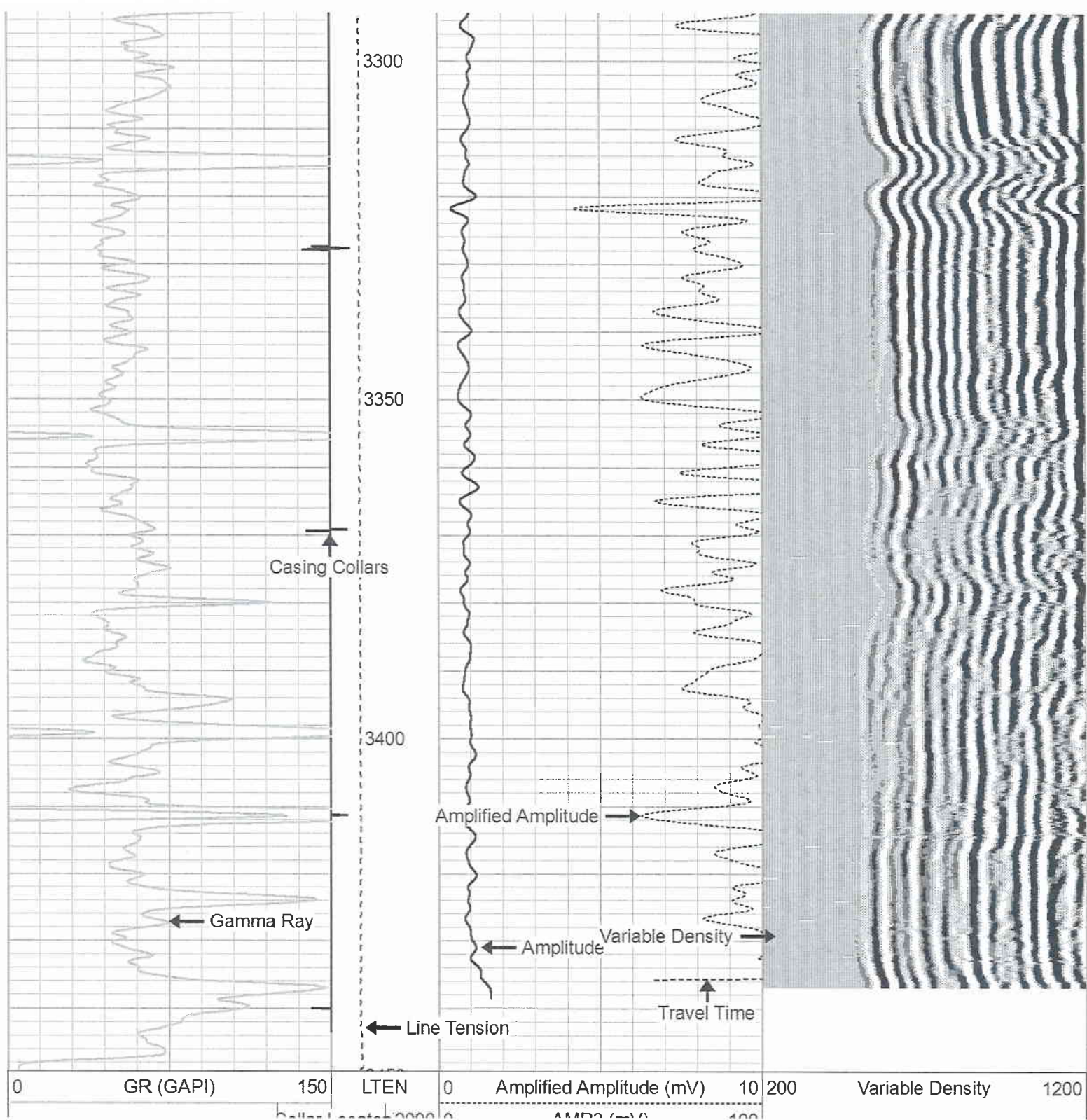














Collar Locatop	2000	0	AMP3 (mV)	100
2	-2		Travel Time (usec)	250 315

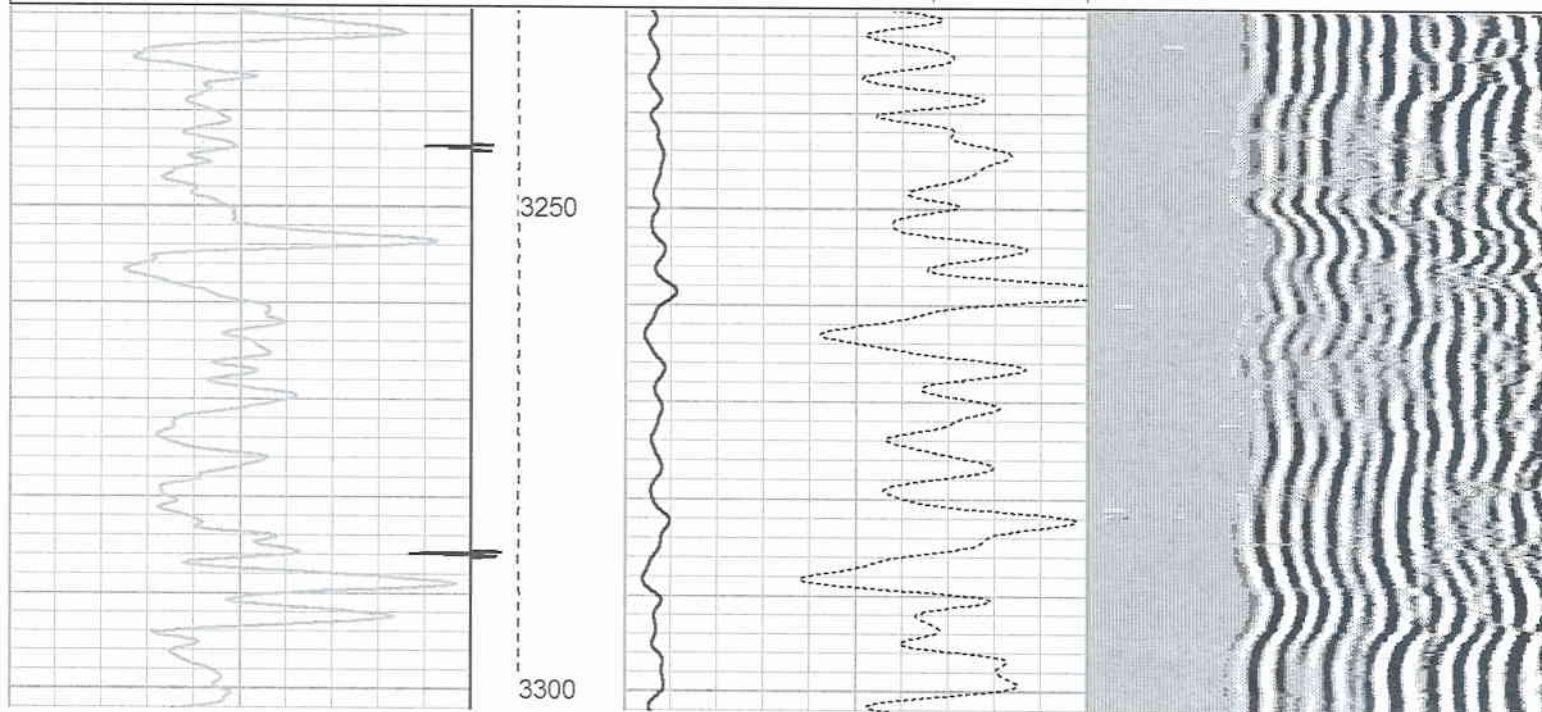


## Repeat Pass

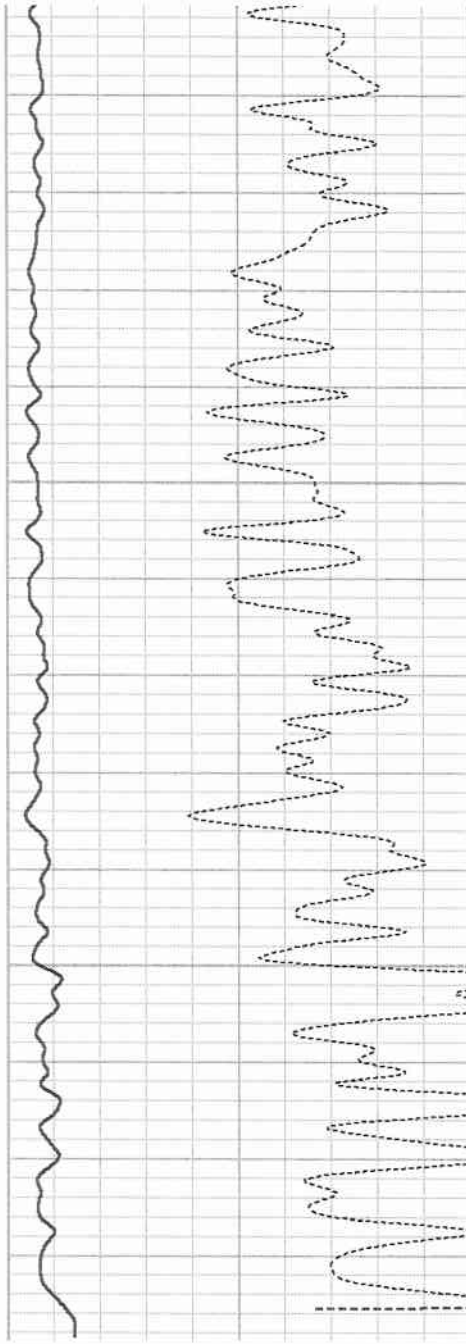
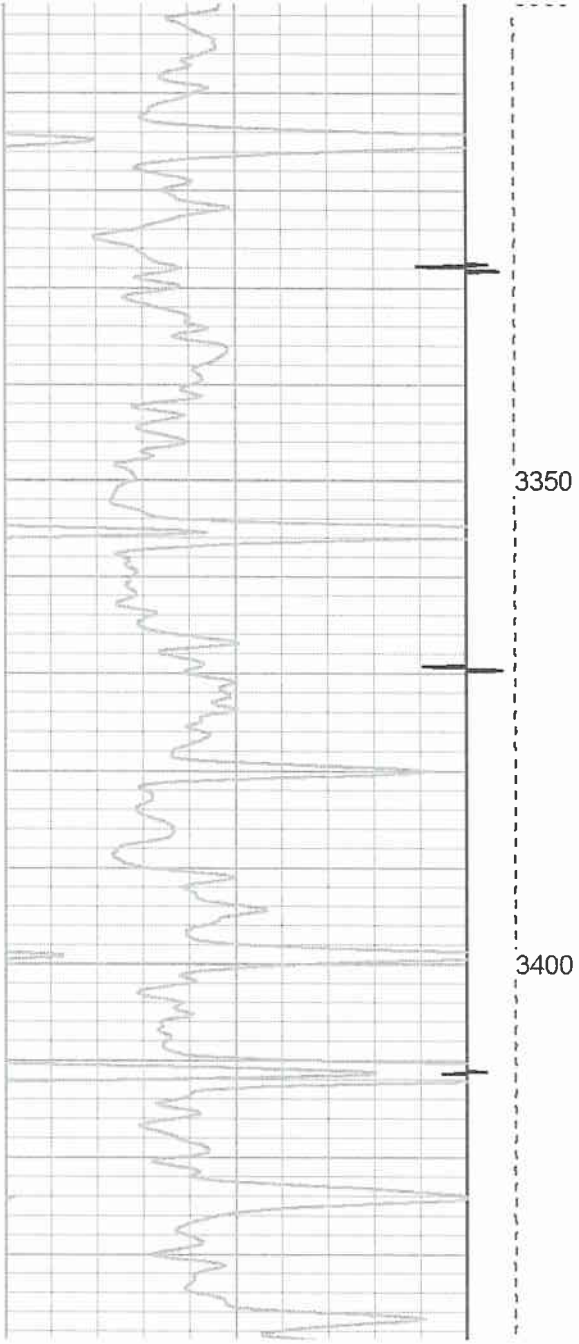
Logged with 0 PSI surface pressure.

Database File: 7-36-3-1e.db  
Dataset Pathname: pass8  
Presentation Format: \_cbldig  
Dataset Creation: Wed Sep 28 15:19:14 2011 by Log SCH 110223  
Charted by: Depth in Feet scaled 1:240

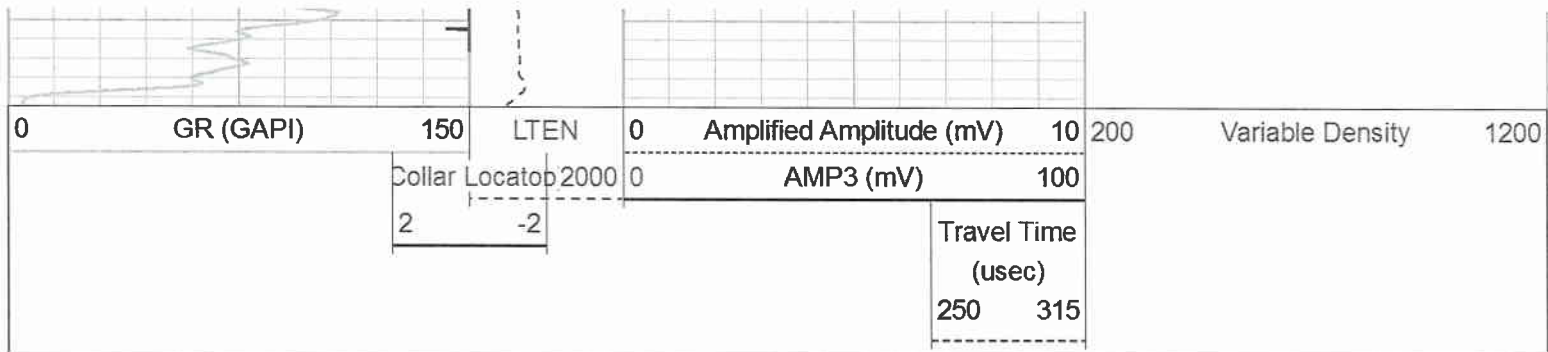
0	GR (GAPI)	150	LTEN	0	Amplified Amplitude (mV)	10	200	Variable Density	1200
	Collar Locatop	2000	0	AMP3 (mV)	100				
	2	-2		Travel Time (usec)	250 315				











Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CHD-STNDRD (1) Standard Cable Head	1.00	1.69	10.00
			Probe	2.86	2.75	40.00
WVF3	13.44		CBL-HurstBond (hb1) Hurst Bond Tool Dual Reciever	8.83	2.75	50.00
WVF5	12.44					







**ATTACHMENT B8**

**ULT 12-31-3-2E**

**CEMENT BOND LOG**



HALLIBURTON

RADIO ACOUSTIC  
CEMENT BOND  
LOG

Company	UTE ENERGY LLC		
Well	ULT 12-31-3-2E		
Field	RANDLETT		
County	UINTAH	State	UTAH

Company	UTE ENERGY LLC		
Well	ULT 12-31-3-2E		
Field	RANDLETT		
County	UINTAH	State	UTAH

API No.	43047515850000	Serv #	8482644	Other Services
Location:	SURFACE HOLE: 1979' FSL & 0667' FML			
Sec: 31	Twp: 3S	Rge: 2E		
Ground Level	Elevation	5048'		
KB	12 Ft. above perm. datum	KB	Elevation	5060'
KB		KB	D.F.	5059'
KB		KB	G.L.	5048'

Run No.	ONE	From	To	Size	Weight	From	To
ONE	12.25"	SURFACE	798'	8.625"	24 #	SURFACE	798'
TWO	7.875"	798'	7978'	5.5"	17 #	SURFACE	7978'

&lt;&lt;&lt; Fold Here &gt;&gt;&gt;

HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA. CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.

## Comments

H.E.S. RADIO CEMENT BOND LOG DATED SEPT 21, 2011  
PRIMARY LOG FOR THIS WELL

SHORT JOINT: 3980' - 4017' & 4414 - 4458' & 6431' - 6436'

LOG INTERVALS PER CUSTOMER REQUEST  
SPEED LOG @ 15 FT/ M

CREW: J. GAY & A. GAULT & B. TAYLOR

\*\*\*THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES\*\*\*

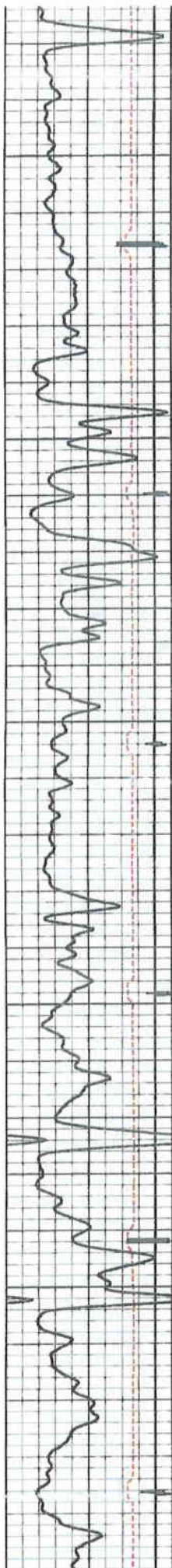
Service Ticket No.	8482644	API No.	43047515850000	PGM Ver	101102_R1
The Well Name, Location, Borehole Description, and / or Cementing Data Furnished by Client					
EQUIPMENT DATA					
TELEMETRY		CCL		RBT	
Run No.	ONE	Run No.	ONE	Run No.	ONE
No.	0	No.	150	No.	600
DIRECTIONAL INFORMATION					
Maximum Deviation	deg. @		KOP		

## MAIN LOG SECTION

HALLIBURTON

5"=100'

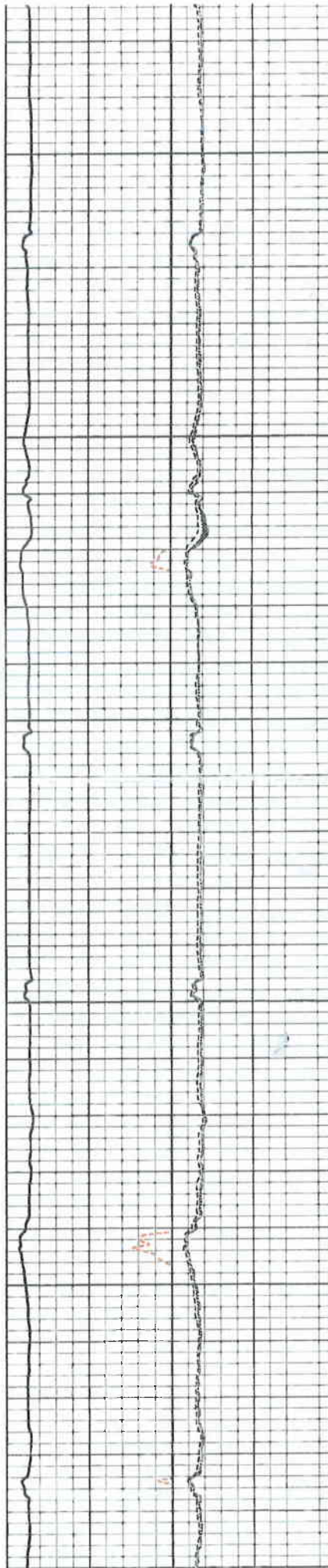




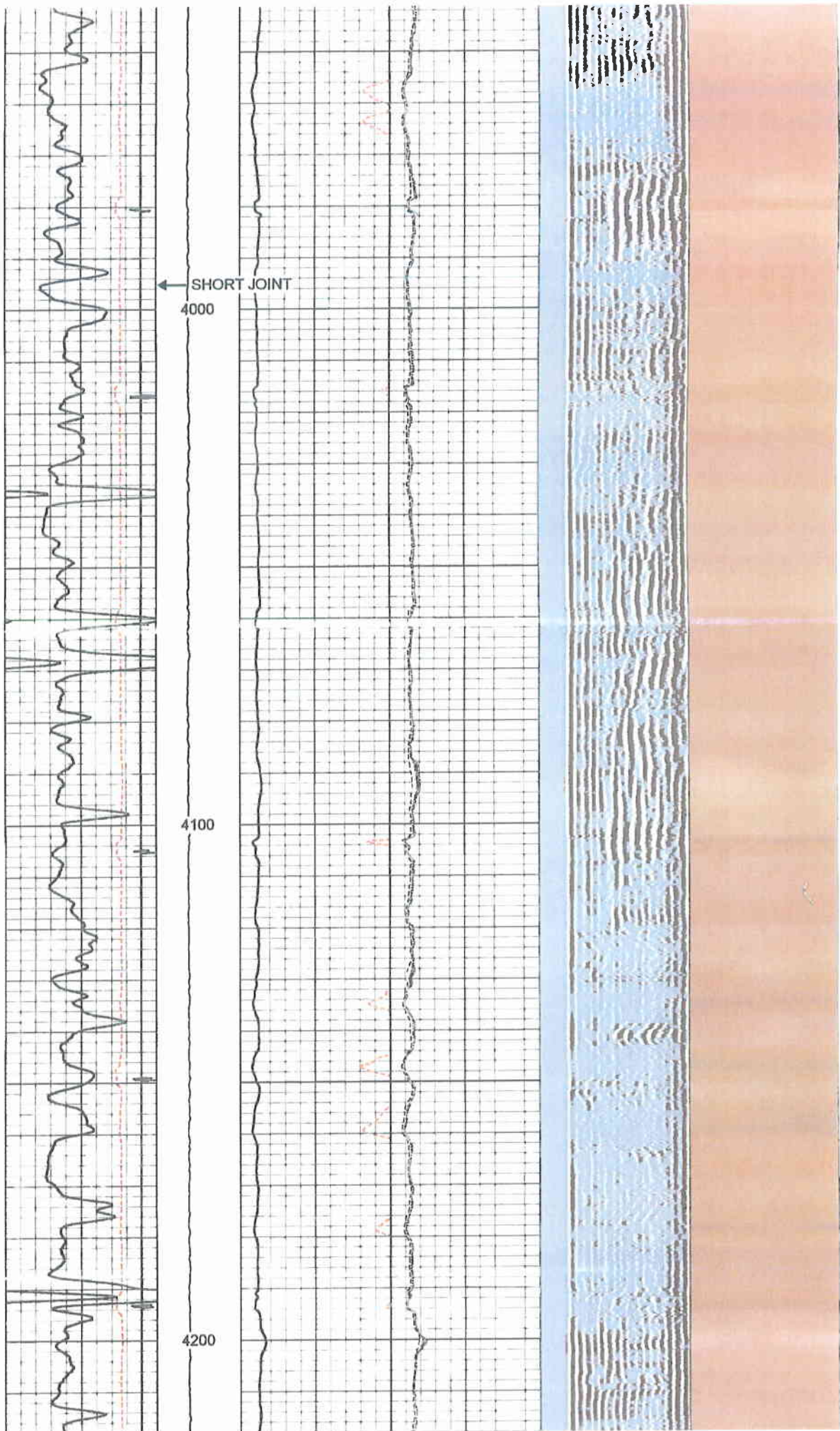
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3800

3900







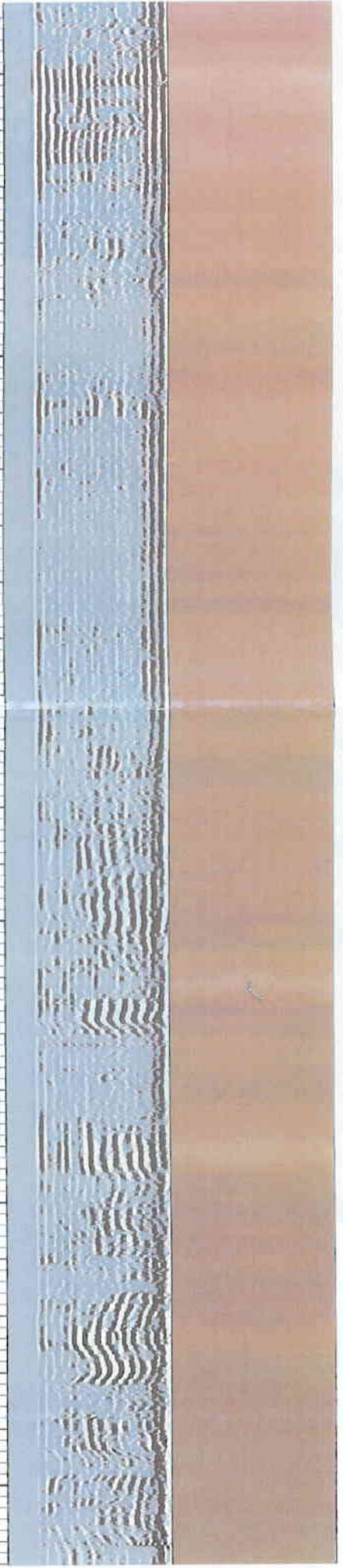
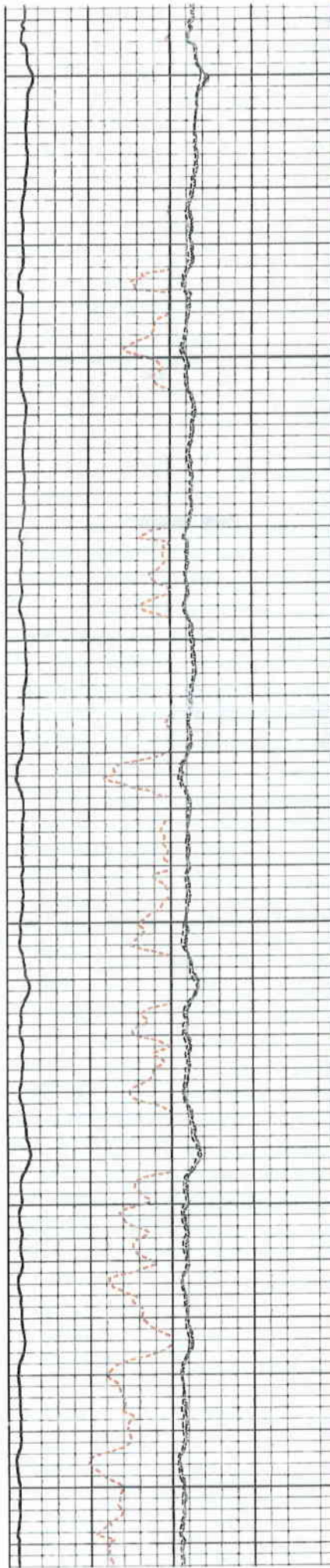




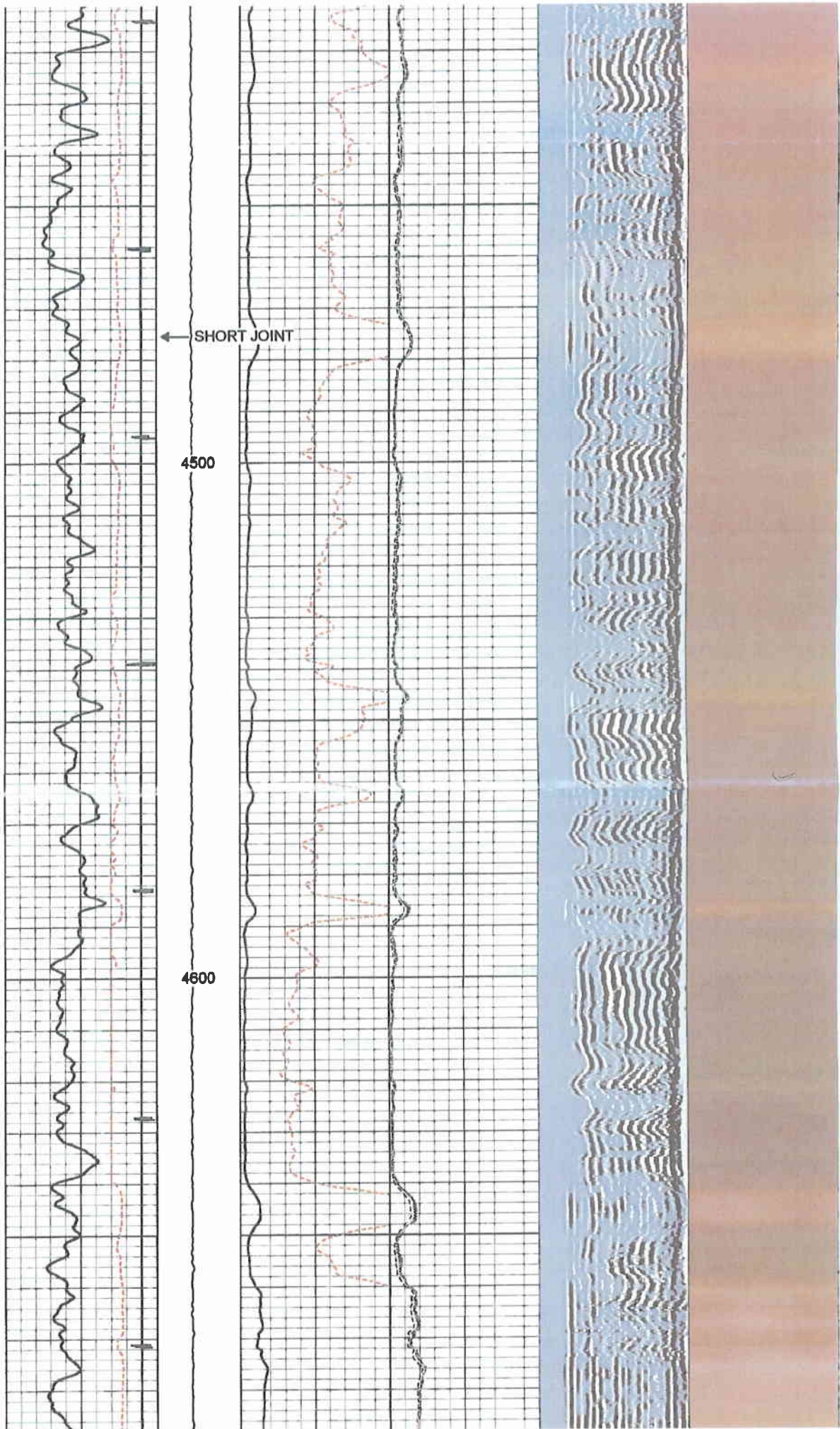
4200

4300

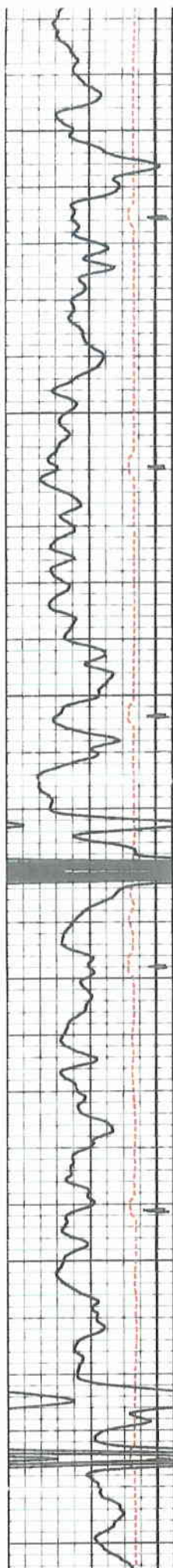
4400







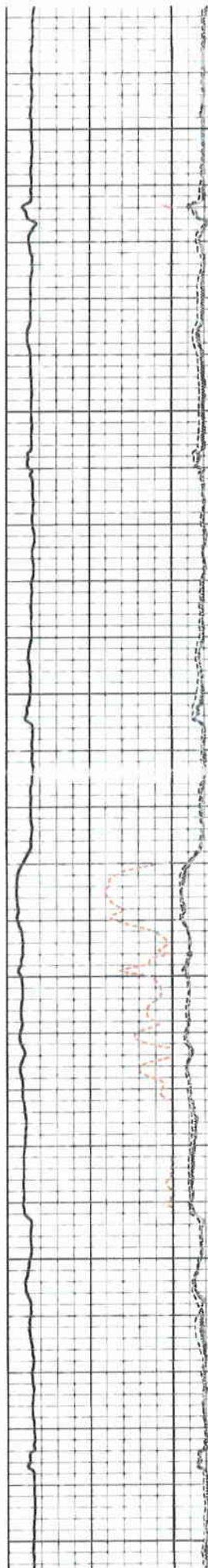




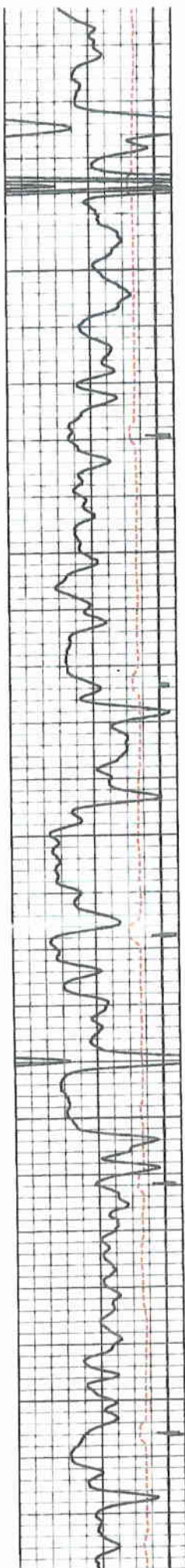
4700

4800

4900

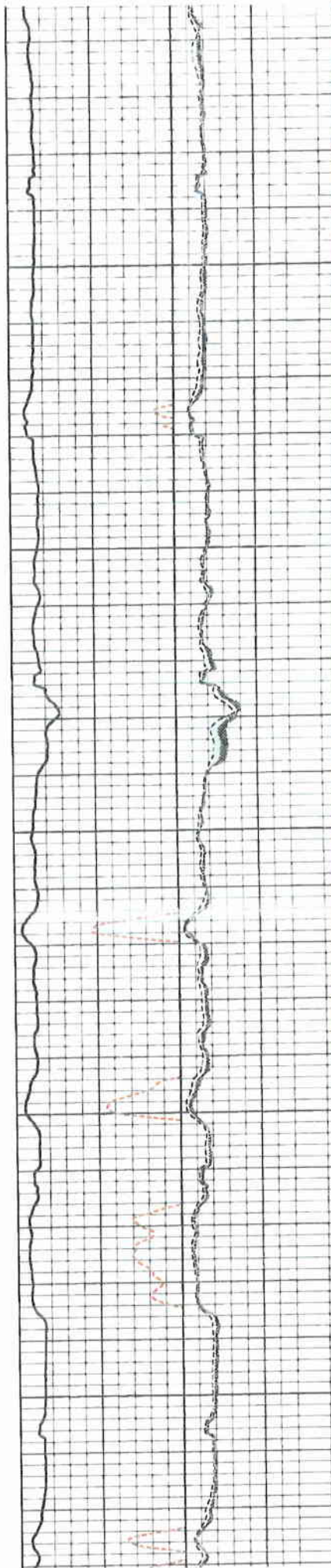






5000

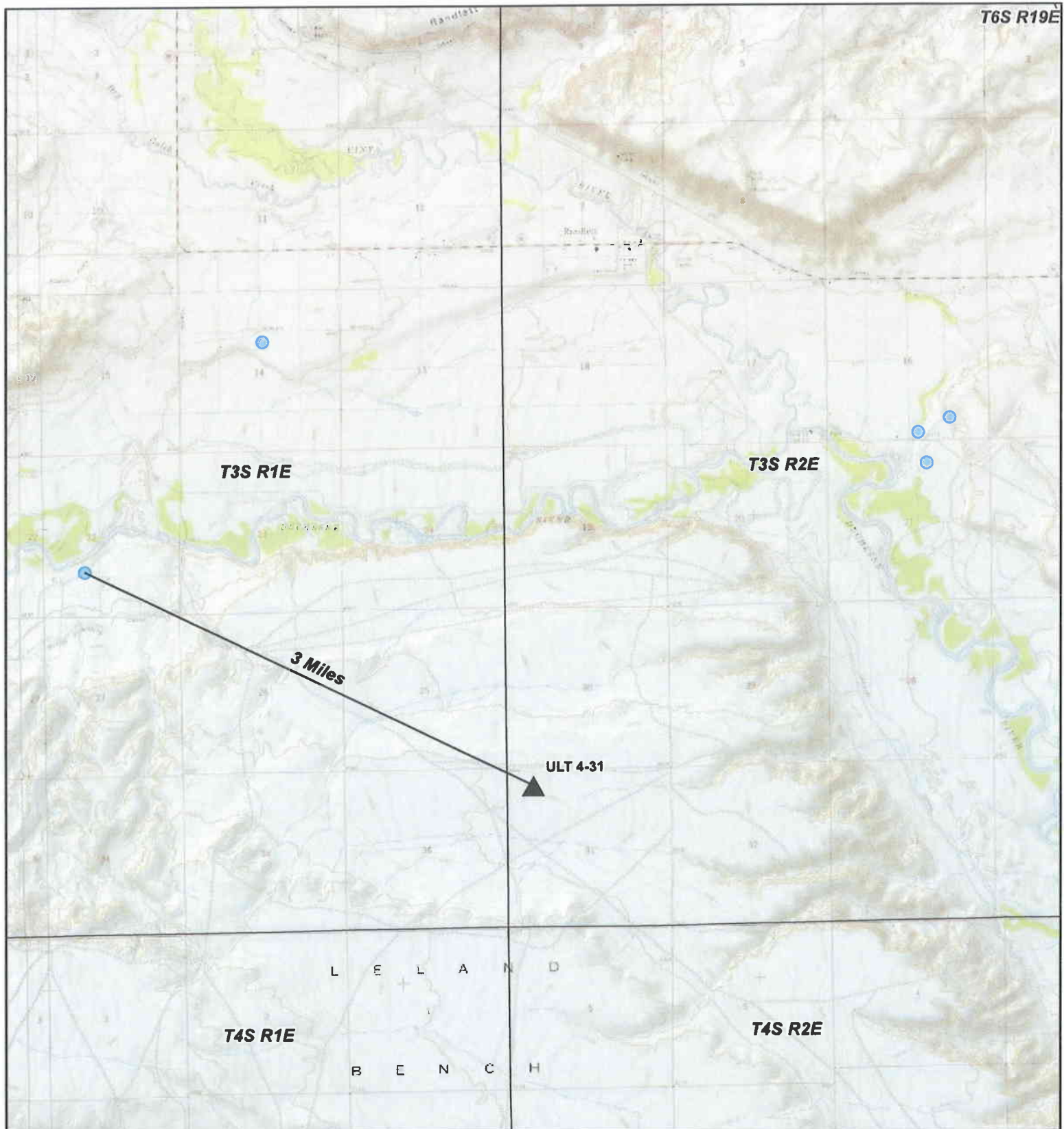
5100





**ATTACHMENT C1**  
**CLOSEST WATER WELL MAP**





### Project Location



### Legend

- ▲ Ult 4-31
- Water Wells



0 0.25 0.5 1 1.5 2 Miles

A horizontal scale bar with markings at 0, 0.25, 0.5, 1, 1.5, and 2 miles.

### Ute Energy, LLC

Ult 4-31  
Closest Water Well

Figure C1

March 2012





**ATTACHMENT C2**

**WATER ANALYSIS REPORTS  
GENERAL WATER QUALITY**





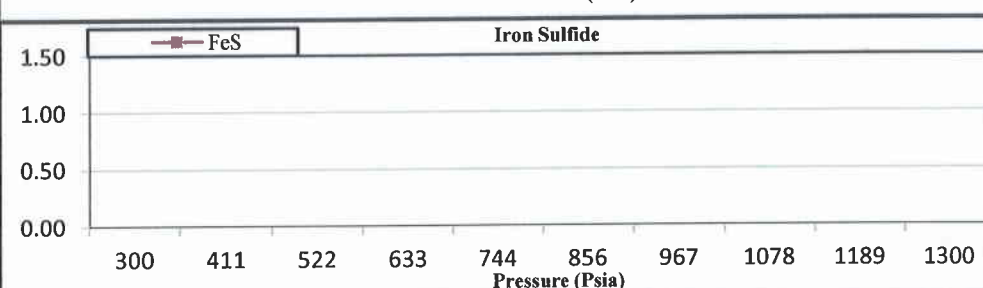
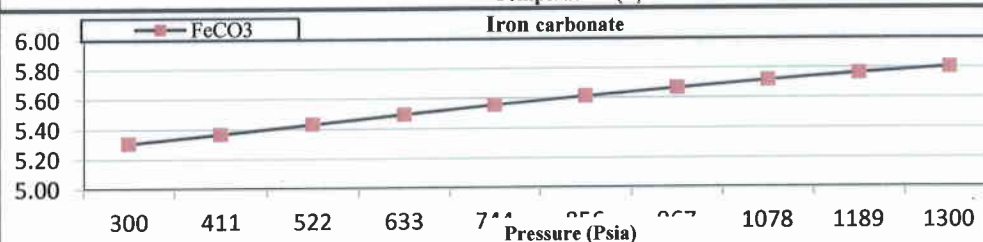
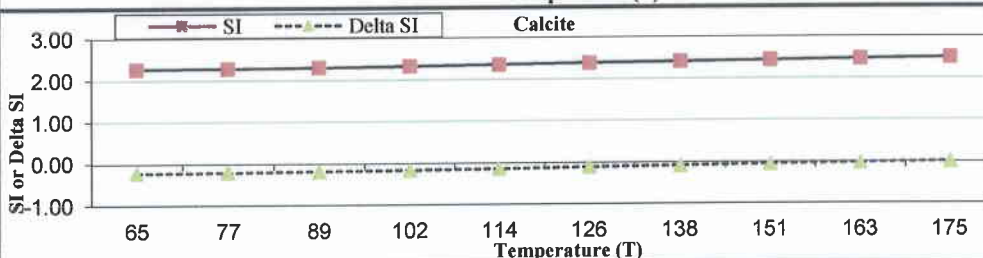
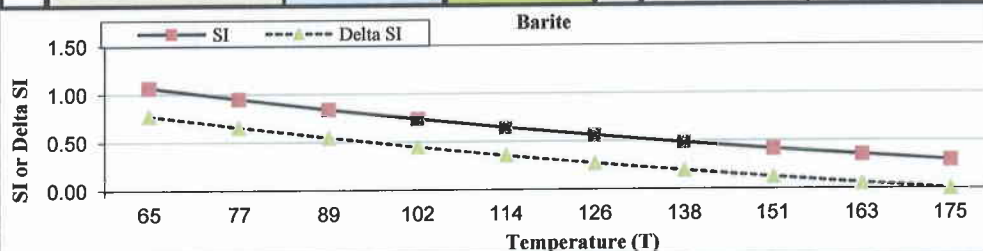
1465 East 1650 south Vernal UT 84078 (435) 789-2069 www.nalco.com

## Water Analysis Report

Field :	Ute Energy, Randelette	Sample Date :	3/25/2012
County :	Uintah, UT	Formation :	
Location :	4-31	Rock Type :	
Lab ID :	Vernal, UT	Depth :	Analysed Date: 4/5/2012
Comments :	Run 8/1st sample/12:45 PM/ 38 bbls Resistivity =.280		

CATIONS	mg/l	Measured	Calculated	ANIONS	mg/l
Potassium	254.2	Total Dissolve Solid	102020.40	Sulfate	70.0
Sodium	33,329.1	Total Hardness	83.29	Chloride	20,000.0
Calcium	20.8	PH	8.77	Carbonate	0.0
Magnesium	7.7	Total H2S aq	0.00	Bicarbonate	106,811.0
Iron	82.2	Manganese	0.47	Bromide	0.0
Barium	36.1	PO4 Residual	0.00	Organic Acids	0.0
Strontium	1.1	SRB Vials Turned	0.00	Hydroxide	0.0
<b>SUM +</b>	<b>33,731.1</b>	APB Vials Turned	0.00	<b>SUM -</b>	<b>126,881.0</b>

Initial(BH)	Final(WH)
Saturation Index values	
Calcite (CaCO <sub>3</sub> )	
2.50	2.27
Barite (BaSO <sub>4</sub> )	
0.29	1.07
Halite (NaCl)	
-2.27	-2.20
Gypsum	
-3.31	-3.29
Hemihydrate	
-3.70	-4.05
Anhydrite	
-3.09	-3.56
Celestite	
-3.56	-3.59
Iron Sulfide	
0.00	0.00
Zinc Sulfide	
0.00	0.00
Calcium fluoride	
0.00	0.00
Iron Carbonate	
5.80	5.31
Inhibitor needed (mg/L)	
Calcite	NTMP
49.33	2.60
Barite	BHPMP
0.00	0.00



Lab Manager: Andrea Craig  
Analysis by:





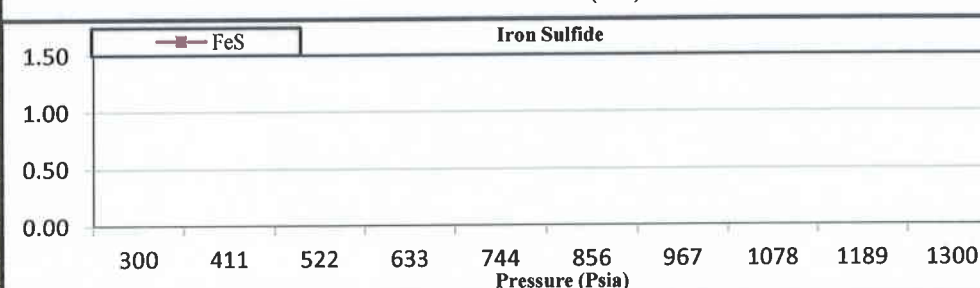
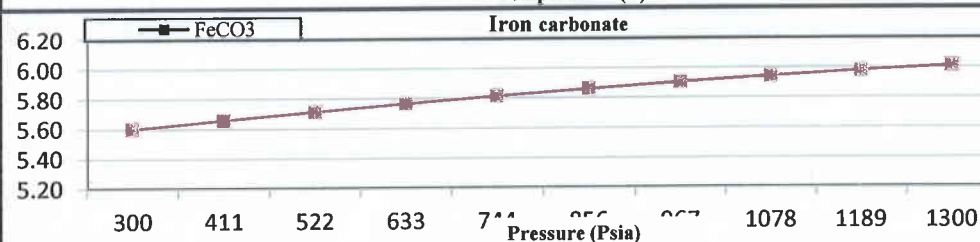
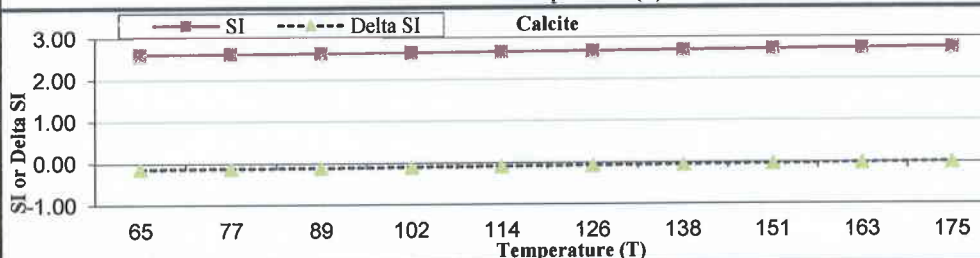
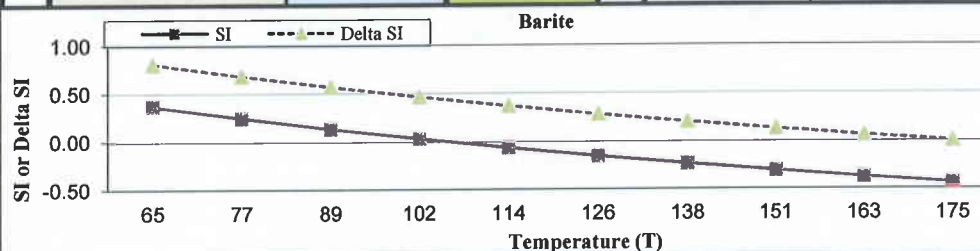
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## Water Analysis Report

Field : Ute Energy, Randelette Sample Date : 3/25/2012  
 County : Uintah, UT Formation :  
 Location : 4-31 Rock Type :  
 Lab ID : Vernal, UT Depth : Analysed Date: 4/5/2012  
 Comments : Run 9/2nd sample/1:35 PM/ 43 bbls Resistivity = .210

CATIONS	mg/l	Measured	Calculated	ANIONS	mg/l
Potassium	254.2	Total Dissolve Solid	102020.40	Sulfate	70.0
Sodium	33,329.1	Total Hardness	83.29	Chloride	20,000.0
Calcium	20.8	PH	8.77	Carbonate	0.0
Magnesium	7.7	Total H2S aq	0.00	Bicarbonate	106,811.0
Iron	82.2	Manganese	0.75	Bromide	0.0
Barium	36.1	PO4 Residual	0.00	Organic Acids	0.0
Strontium	1.1	SRB Vials Turned	0.00	Hydroxide	0.0
<b>SUM +</b>	<b>33,731.1</b>	APB Vials Turned	0.00	<b>SUM -</b>	<b>126,881.0</b>

Initial(BH)	Final(WH)
<b>Saturation Index values</b>	
<b>Calcite (CaCO<sub>3</sub>)</b>	
2.73	2.60
<b>Barite (BaSO<sub>4</sub>)</b>	
-0.44	0.37
<b>Halite (NaCl)</b>	
-2.18	-2.11
<b>Gypsum</b>	
-3.90	-3.84
<b>Hemihydrate</b>	
-4.29	-4.60
<b>Anhydrite</b>	
-3.68	-4.10
<b>Celestite</b>	
-4.21	-4.20
<b>Iron Sulfide</b>	
0.00	0.00
<b>Zinc Sulfide</b>	
0.00	0.00
<b>Calcium fluoride</b>	
0.00	0.00
<b>Iron Carbonate</b>	
6.01	5.60
<b>Inhibitor needed (mg/L)</b>	
Calcite	NTMP
115.70	8.86
Barite	BHPMP
0.00	0.00



Lab Manager: Andrea Craig  
 Analysis by:





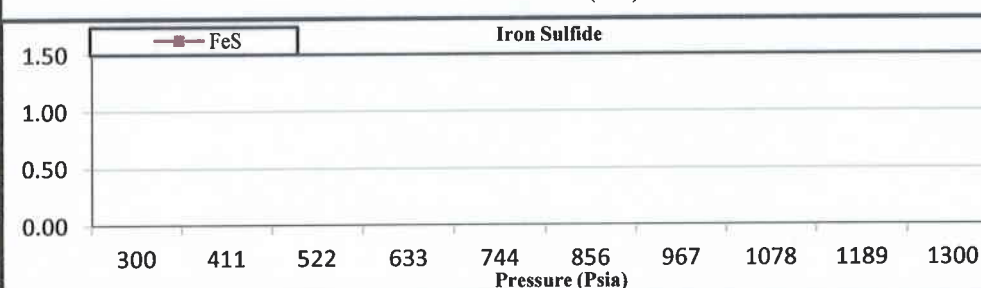
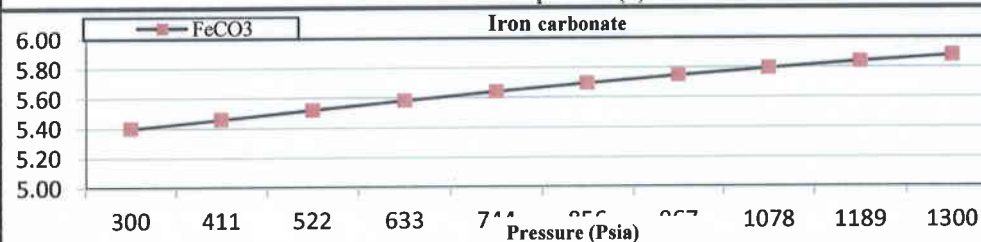
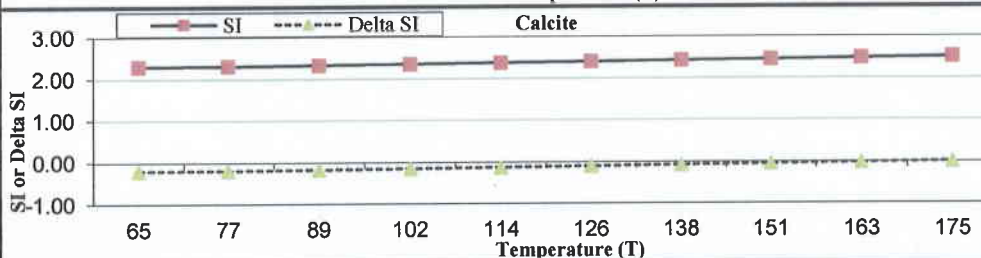
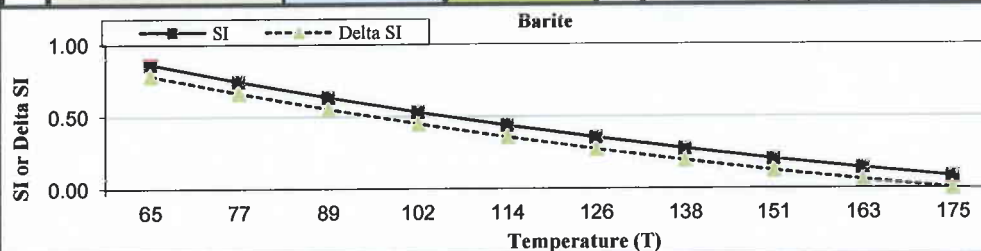
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## Water Analysis Report

Field : **Ute Energy, Randelette** Sample Date : **3/25/2012**  
 County : **Uintah, UT** Formation :  
 Location : **4-31** Rock Type :  
 Lab ID : **Vernal, UT** Depth : **Analysed Date: 4/5/2012**  
 Comments : **Run 10/3rd sample/2:45 PM/ 45 bbls Resistivity =.274**

CATIONS	mg/l	Measured	Calculated	ANIONS	mg/l
Potassium	254.2	Total Dissolve Solid	102020.40	Sulfate	70.0
Sodium	33,329.1	Total Hardness	83.29	Chloride	20,000.0
Calcium	20.8	PH	8.77	Carbonate	0.0
Magnesium	7.7	Total H2S aq	0.00	Bicarbonate	106,811.0
Iron	82.2	Manganese	0.60	Bromide	0.0
Barium	36.1	PO4 Residual	0.00	Organic Acids	0.0
Strontium	1.1	SRB Vials Turned	0.00	Hydroxide	0.0
<b>SUM +</b>	<b>33,731.1</b>	APB Vials Turned	0.00	<b>SUM -</b>	<b>126,881.0</b>

Initial(BH)	Final(WH)
<b>Saturation Index values</b>	
<b>Calcite (CaCO3)</b>	
2.51	2.30
<b>Barite (BaSO4)</b>	
0.08	0.86
<b>Halite (NaCl)</b>	
-2.28	-2.20
<b>Gypsum</b>	
-3.35	-3.31
<b>Hemihydrate</b>	
-3.74	-4.08
<b>Anhydrite</b>	
-3.13	-3.58
<b>Celestite</b>	
-3.64	-3.66
<b>Iron Sulfide</b>	
0.00	0.00
<b>Zinc Sulfide</b>	
0.00	0.00
<b>Calcium fluoride</b>	
0.00	0.00
<b>Iron Carbonate</b>	
5.88	5.40
<b>Inhibitor needed (mg/L)</b>	
Calcite	NTMP
53.56	3.01
Barite	BHPMP
0.00	0.00



Lab Manager: Andrea Craig  
 Analysis by:





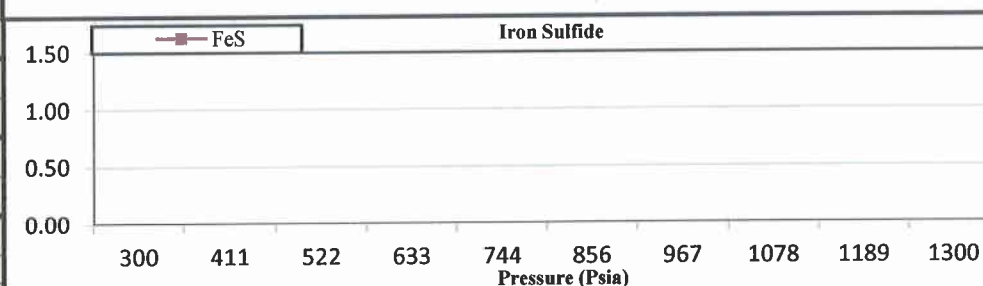
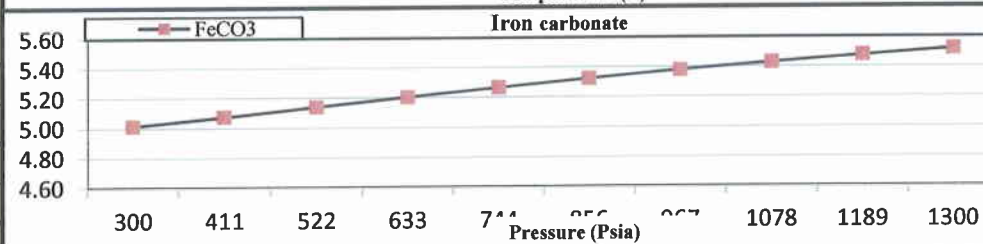
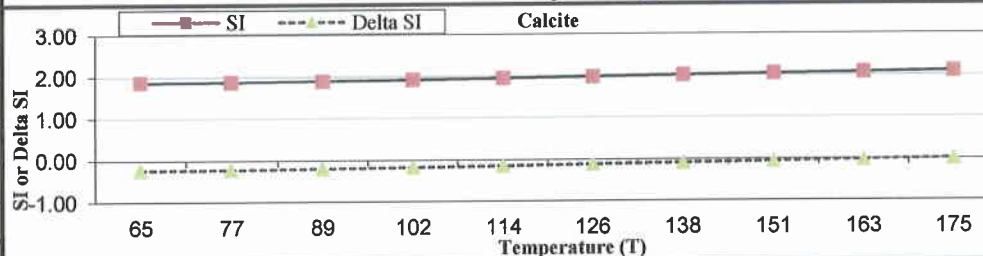
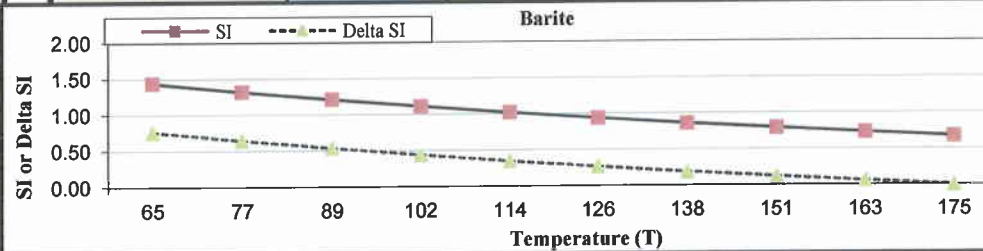
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## Water Analysis Report

Field :	Ute Energy, Randelette	Sample Date :	3/25/2012
County :	Uintah, UT	Formation :	
Location :	4-31	Rock Type :	
Lab ID :	Vernal, UT	Depth :	Analysed Date: 4/5/2012
Comments :	Run 11/4th sample/3:45 PM/ 47 bbls Resistivity =.281		

CATIONS	mg/l	Measured	Calculated	ANIONS	mg/l
Potassium	254.2	Total Dissolve Solid	102020.40	Sulfate	70.0
Sodium	33,329.1	Total Hardness	83.29	Chloride	20,000.0
Calcium	20.8	PH	8.77	Carbonate	0.0
Magnesium	7.7	Total H2S aq	0.00	Bicarbonate	106,811.0
Iron	82.2	Manganese	0.30	Bromide	0.0
Barium	36.1	PO4 Residual	0.00	Organic Acids	0.0
Strontium	1.1	SRB Vials Turned	0.00	Hydroxide	0.0
<b>SUM +</b>	<b>33,731.1</b>	APB Vials Turned	0.00	<b>SUM -</b>	<b>126,881.0</b>

Initial(BH)	Final(WH)
Saturation Index values	
Calcite (CaCO <sub>3</sub> )	
2.10	1.86
Barite (BaSO <sub>4</sub> )	
0.67	1.43
Halite (NaCl)	
-2.27	-2.20
Gypsum	
-2.84	-2.82
Hemihydrate	
-3.22	-3.59
Anhydrite	
-2.62	-3.09
Celestite	
-2.88	-2.92
Iron Sulfide	
0.00	0.00
Zinc Sulfide	
0.00	0.00
Calcium fluoride	
0.00	0.00
Iron Carbonate	
5.52	5.01
Inhibitor needed (mg/L)	
Calcite	NTMP
11.57	0.46
Barite	BHPMP
0.06	0.07



Lab Manager: Andrea Craig  
Analysis by:





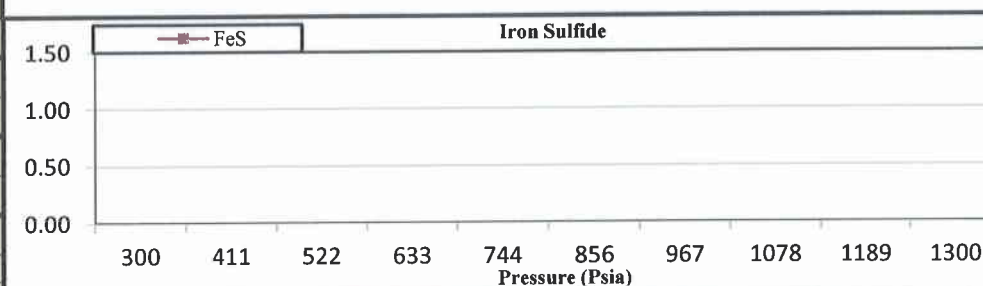
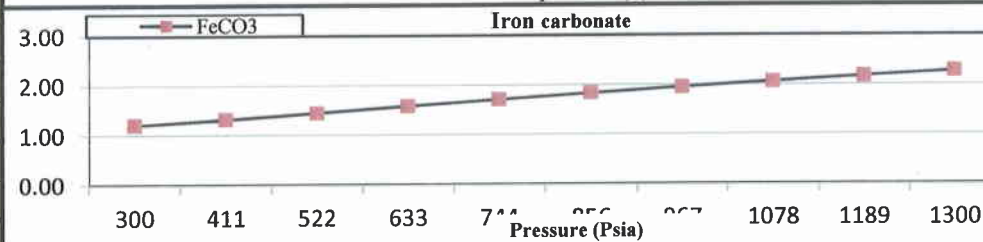
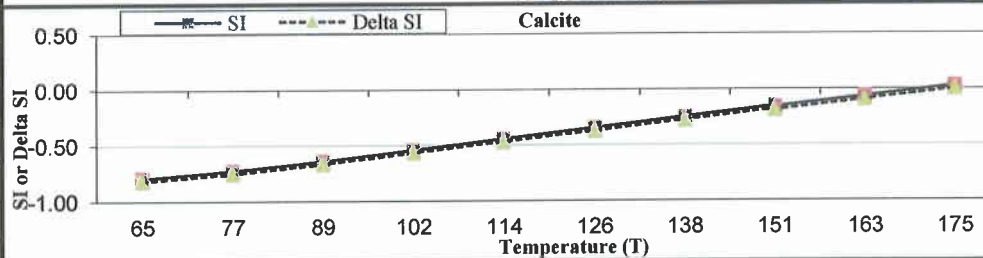
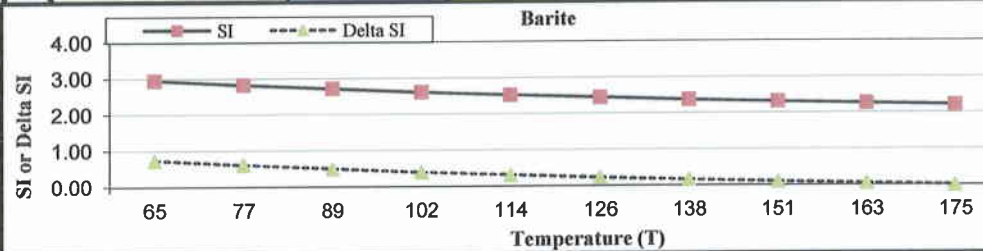
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## Water Analysis Report

Field : **Ute Energy, Randelette** Sample Date : **3/25/2012**  
 County : **Uintah, UT** Formation :  
 Location : **8-31 Deep Creek** Rock Type :  
 Lab ID : **Vernal, UT** Depth : **Analysed Date: 4/5/2012**  
 Comments : **Resistivity =.262**

CATIONS	mg/l	Measured	Calculated	ANIONS	mg/l
Potassium	102.1	Total Dissolve Solid	26026.80	Sulfate	730.0
Sodium	8,317.3	Total Hardness	122.66	Chloride	15,900.0
Calcium	33.6	PH	7.30	Carbonate	0.0
Magnesium	9.5	Total H2S aq	0.00	Bicarbonate	2,074.0
Iron	55.7	Manganese	0.49	Bromide	0.0
Barium	49.1	PO4 Residual	24.60	Organic Acids	0.0
Strontium	12.8	SRB Vials Turned	0.00	Hydroxide	0.0
<b>SUM +</b>	<b>8,580.0</b>	APB Vials Turned	0.00	<b>SUM -</b>	<b>18,704.0</b>

Initial(BH)	Final(WH)
<b>Saturation Index values</b>	
<b>Calcite (CaCO<sub>3</sub>)</b>	
0.03	-0.79
<b>Barite (BaSO<sub>4</sub>)</b>	
2.21	2.95
<b>Halite (NaCl)</b>	
-2.76	-2.68
<b>Gypsum</b>	
-1.98	-1.99
<b>Hemihydrate</b>	
-2.38	-2.78
<b>Anhydrite</b>	
-1.78	-2.29
<b>Celestite</b>	
-0.72	-0.76
<b>Iron Sulfide</b>	
0.00	0.00
<b>Zinc Sulfide</b>	
0.00	0.00
<b>Calcium fluoride</b>	
0.00	0.00
<b>Iron Carbonate</b>	
2.27	1.21
<b>Inhibitor needed (mg/L)</b>	
Calcite	NTMP
0.00	0.00
Barite	BHPMP
6.47	6.26



Lab Manager: Andrea Craig  
 Analysis by:





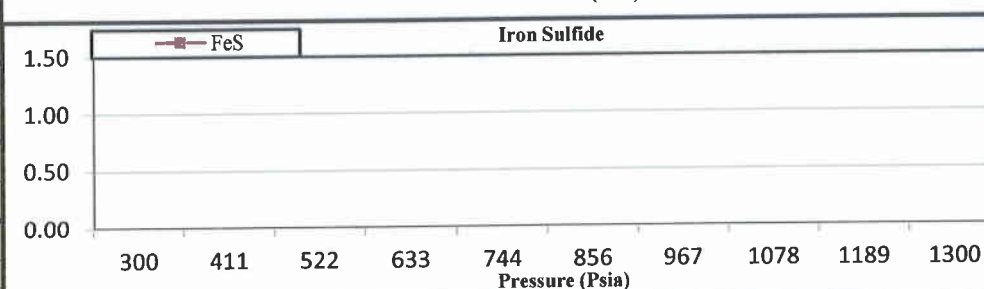
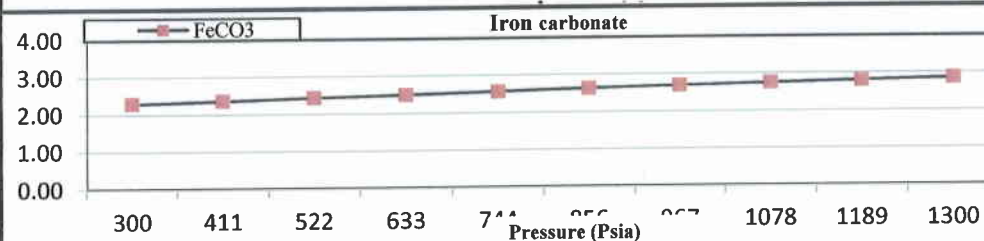
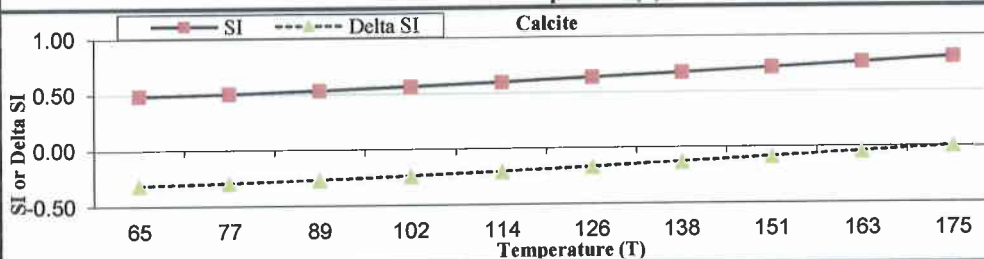
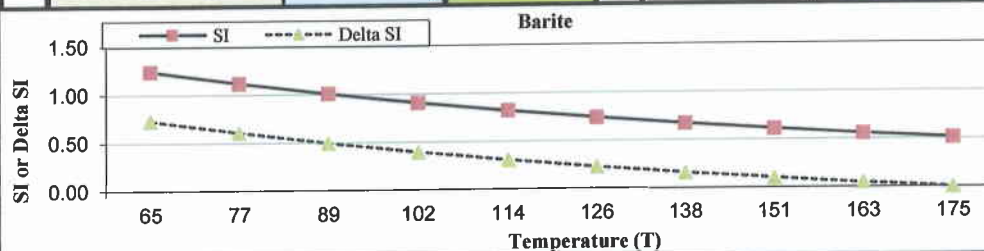
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## Water Analysis Report

Field : Ute Energy, Randelette Sample Date : 3/25/2012  
 County : Uintah, UT Formation :  
 Location : 2-31 Deep Creek Rock Type :  
 Lab ID : Vernal, UT Depth : Analysed Date: 4/5/2012  
 Comments : Resistivity = .274

CATIONS	mg/l	Measured	Calculated	ANIONS	mg/l
Potassium	102.1	Total Dissolve Solid	26026.80	Sulfate	730.0
Sodium	8,317.3	Total Hardness	122.66	Chloride	15,900.0
Calcium	33.6	PH	7.30	Carbonate	0.0
Magnesium	9.5	Total H2S aq	0.00	Bicarbonate	2,074.0
Iron	55.7	Manganese	0.20	Bromide	0.0
Barium	49.1	PO4 Residual	20.70	Organic Acids	0.0
Strontium	12.8	SRB Vials Turned	0.00	Hydroxide	0.0
<b>SUM +</b>	<b>8,580.0</b>	APB Vials Turned	0.00	<b>SUM -</b>	<b>18,704.0</b>

Initial(BH)	Final(WH)
Saturation Index values	
Calcite (CaCO <sub>3</sub> )	
0.81	0.49
Barite (BaSO <sub>4</sub> )	
0.51	1.24
Halite (NaCl)	
-2.71	-2.63
Gypsum	
-2.81	-2.82
Hemihydrate	
-3.22	-3.61
Anhydrite	
-2.62	-3.12
Celestite	
-1.36	-1.40
Iron Sulfide	
0.00	0.00
Zinc Sulfide	
0.00	0.00
Calcium fluoride	
0.00	0.00
Iron Carbonate	
2.86	2.30
Inhibitor needed (mg/L)	
Calcite	NTMP
0.00	0.00
Barite	BHPMP
0.00	0.02



Lab Manager: Andrea Craig  
 Analysis by:





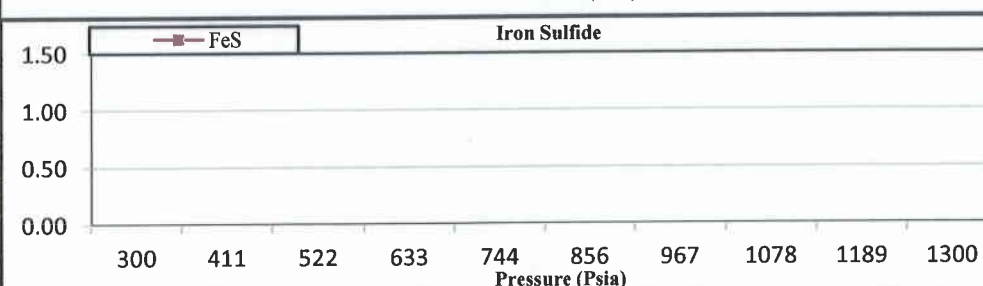
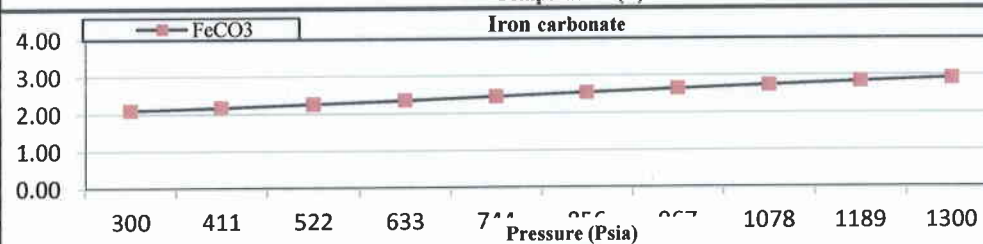
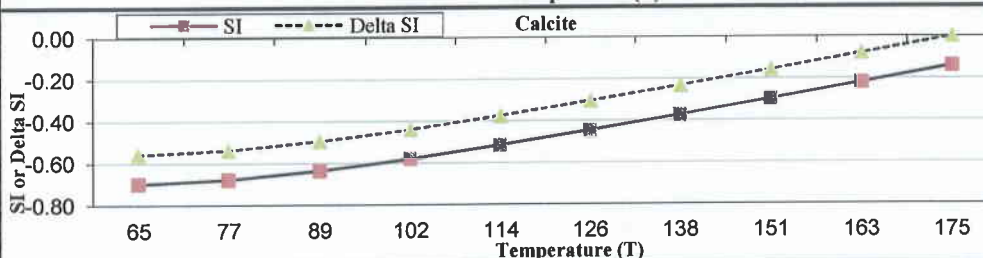
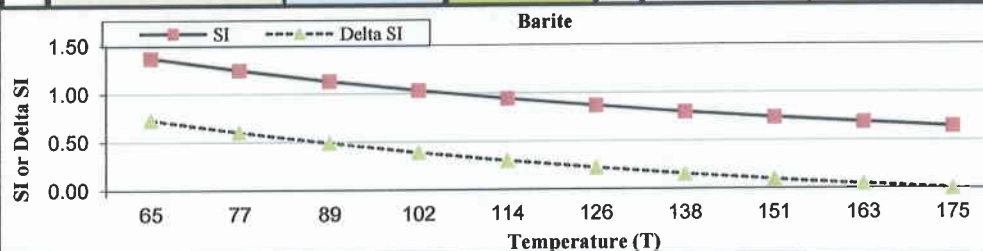
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## Water Analysis Report

Field : Ute Energy, Randelette Sample Date : 3/25/2012  
 County : Uintah, UT Formation :  
 Location : 12-31-3-2E Rock Type :  
 Lab ID : Vernal, UT Depth : Analysed Date: 4/5/2012  
 Comments : Resistivity =.430

CATIONS	mg/l	Measured	Calculated	ANIONS	mg/l
Potassium	102.1	Total Dissolve Solid	26026.80	Sulfate	730.0
Sodium	8,317.3	Total Hardness	122.66	Chloride	15,900.0
Calcium	33.6	PH	7.30	Carbonate	0.0
Magnesium	9.5	Total H2S aq	0.00	Bicarbonate	2,074.0
Iron	55.7	Manganese	3.56	Bromide	0.0
Barium	49.1	PO4 Residual	50.00	Organic Acids	0.0
Strontium	12.8	SRB Vials Turned	0.00	Hydroxide	0.0
<b>SUM +</b>	<b>8,580.0</b>	APB Vials Turned	0.00	<b>SUM -</b>	<b>18,704.0</b>

Initial(BH)	Final(WH)
Saturation Index values	
Calcite (CaCO <sub>3</sub> )	
-0.14	-0.70
Barite (BaSO <sub>4</sub> )	
0.64	1.37
Halite (NaCl)	
-3.21	-3.13
Gypsum	
-2.55	-2.57
Hemihydrate	
-2.96	-3.36
Anhydrite	
-2.37	-2.87
Celestite	
-1.62	-1.68
Iron Sulfide	
0.00	0.00
Zinc Sulfide	
0.00	0.00
Calcium fluoride	
0.00	0.00
Iron Carbonate	
2.92	2.10
Inhibitor needed (mg/L)	
Calcite	NTMP
0.00	0.00
Barite	BHPMP
0.15	0.21



Lab Manager: Andrea Craig  
 Analysis by:



Table C-3 ULT 4-31 UIC Permit - General Chemistry

DATE	ANALYZE DATE	LOCATION (WELL)	COMMENTS /DETAILS	pH	TDS mg/l	Total Hardness mg/l	Potassium mg/l	Magnesium mg/l	Iron mg/l	Zinc mg/l	Boron mg/l	Barium mg/l	Strontium mg/l	Total mg/l
3/25/2012	3/29/2012	4-31	RUN 8/1ST SAMPLE/12:45 PM/38 BBLS	8.8	85,956.02	94.15029	231.574982	8.906340599	80.37907	0.843209	449.9882	40.24377	1.111856937	35031.22
3/25/2012	3/29/2012	4-31	RUN 9/2ND SAMPLE/1:35 PM/43 BBLS	8.77	102,020.40	83.28194	254.205276	7.650135994	82.23956	7.764269	485.8577	36.05181	1.11038506	33729.96
3/25/2012	3/29/2012	4-31	RUN 10/3RD SAMPLE/2:45 PM/45 BBLS	8.76	87,416.37	78.23942	217.504303	6.623497009	69.92233	5.13067	562.9612	26.97113	0.981881917	34182.77
3/25/2012	3/29/2012	4-31	RUN 11/4TH SAMPLE/3:45 PM/47 BBLS	8.78	82,208.80	44.92803	224.514297	4.483174324	45.40392	1.749259	594.676	13.35932	0.74750632	34362
3/25/2012	3/29/2012	8-31-3-2E	FLOWBACK	7.3	26,026.80	122.6631	102.132988	9.460520744	55.72852	-0.76346	11.12021	49.0607	12.83746243	8567.202
3/25/2012	3/29/2012	2-31-3-2E	FLOWBACK	8.74	25,999.26	74.53045	60.3391724	9.6621418	18.12104	-2.432	9.717227	2.570884	7.985384941	9849.819
3/25/2012	3/29/2012	12-31-3-2E	FLOWBACK	7.71	15,090.33	122.1949	33.9791527	5.395073891	447.1089	4.362049	6.434186	5.336849	6.812830925	5192.329

DATE	ANALYZE DATE	LOCATION (WELL)	COMMENTS /DETAILS	Sulfate mg/l	Sodium mg/l	Calcium mg/l	Chloride mg/l	Carbonate mg/l	Bicarbonate mg/l	Total mg/l	PO4 Residual ppm	Mangane semg/l
3/25/2012	3/29/2012	4-31	RUN 8/1ST SAMPLE/12:45 PM/38 BBLS	200	34647.06	23.05372	15000	14160	75152	104512		0.468282
3/25/2012	3/29/2012	4-31	RUN 9/2ND SAMPLE/1:35 PM/43 BBLS	70	33329.05	20.76655	20000	13740	106811	140621		0.745113
3/25/2012	3/29/2012	4-31	RUN 10/3RD SAMPLE/2:45 PM/45 BBLS	200	33841.32	20.43323	15300	12960	81374	109834		0.599977
3/25/2012	3/29/2012	4-31	RUN 11/4TH SAMPLE/3:45 PM/47 BBLS	1170	34063.63	10.61881	14900	13440	66002	95512		0.302448
3/25/2012	3/29/2012	8-31-3-2E	FLOWBACK	730	8317.27	33.55	15900	0	2074	18704	24.6	0.489702
3/25/2012	3/29/2012	2-31-3-2E	FLOWBACK	280	9745.159	13.96627	15300	228	1195.6	17003.6	20.7	0.200436
3/25/2012	3/29/2012	12-31-3-2E	FLOWBACK	110	4660.479	40.03004	9300	0	1220	10630	50	3.560593



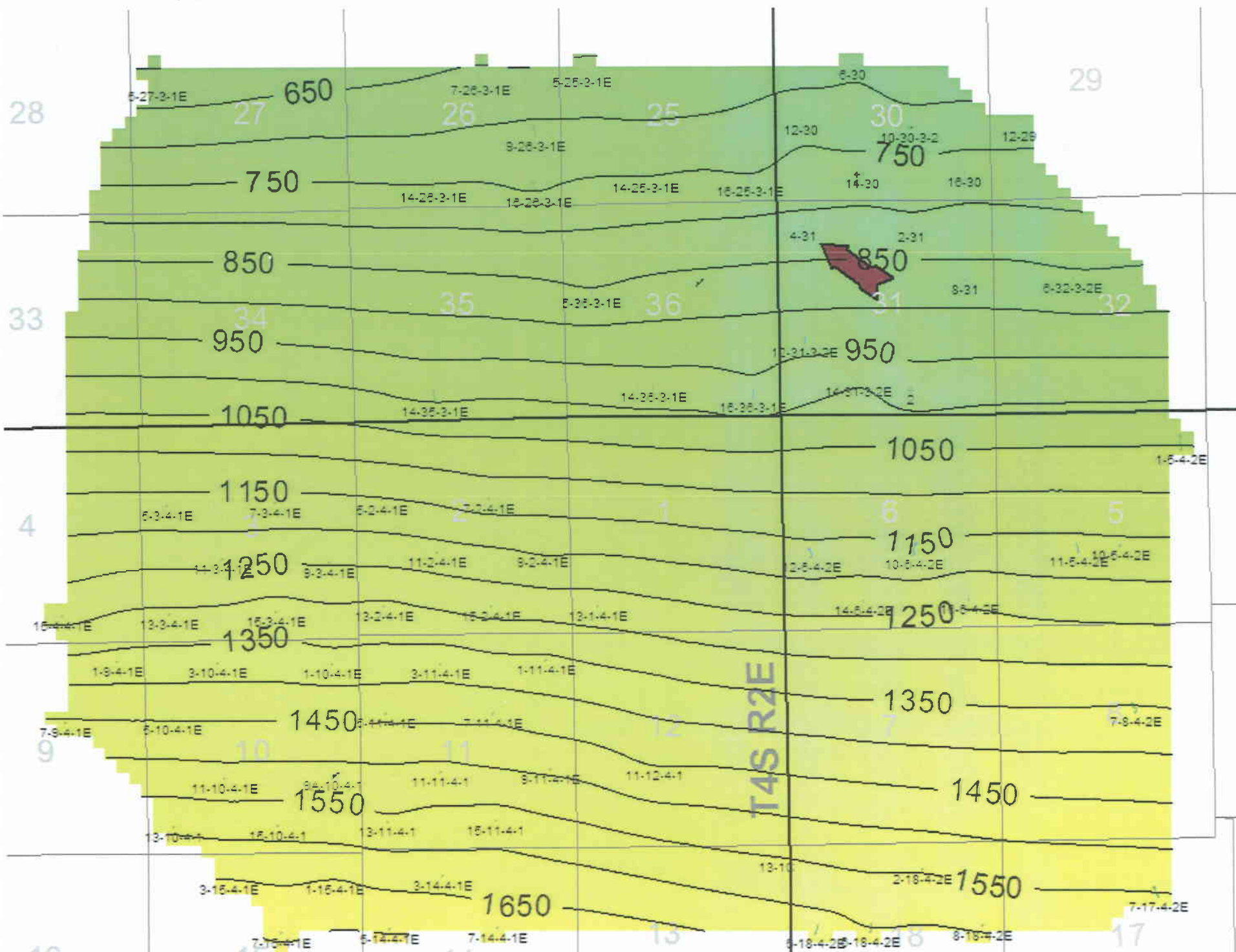
**ATTACHMENT D1**

**STRUCTURE MAP  
BASE OF UPPER CONFINING LAYER**



### Bottom of Upper Confining Zone Structure Map

The map displays the bottom of the upper confining zone with contour lines indicating elevations from 650 to 1650 feet. A red arrow points to a specific location on the map. The map is overlaid with a grid of section lines, with labels such as 28, 27, 26, 25, 29, 33, 34, 35, 36, 31, 32, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. A vertical line labeled 'T4S R2E' is also present. The map is titled 'Bottom of Upper Confining Zone Structure Map'.



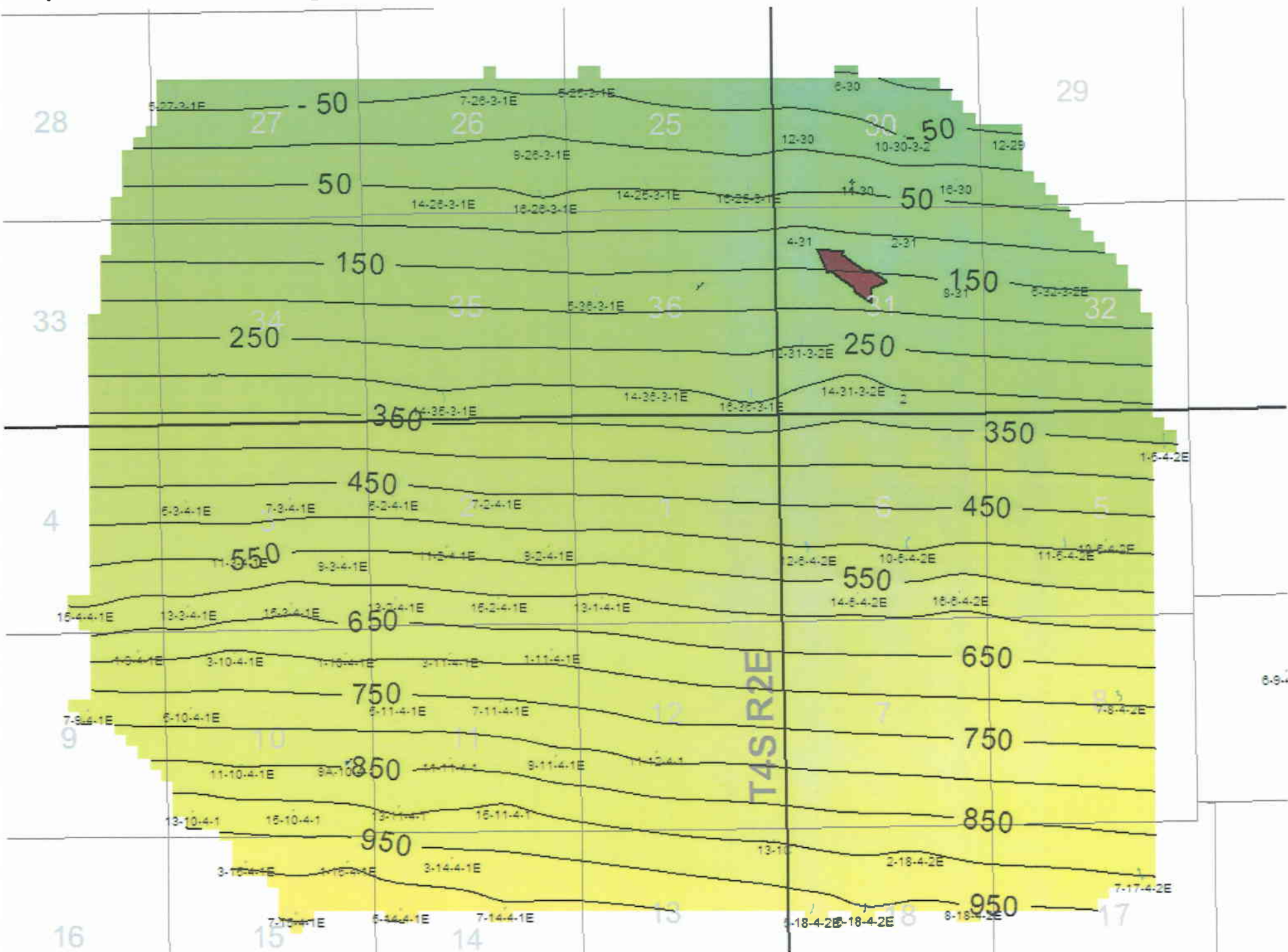


**ATTACHMENT D2**

**STRUCTURE MAP  
TOP OF LOWER CONFINING LAYER**



Top of Lower Confining Zone Structure Map



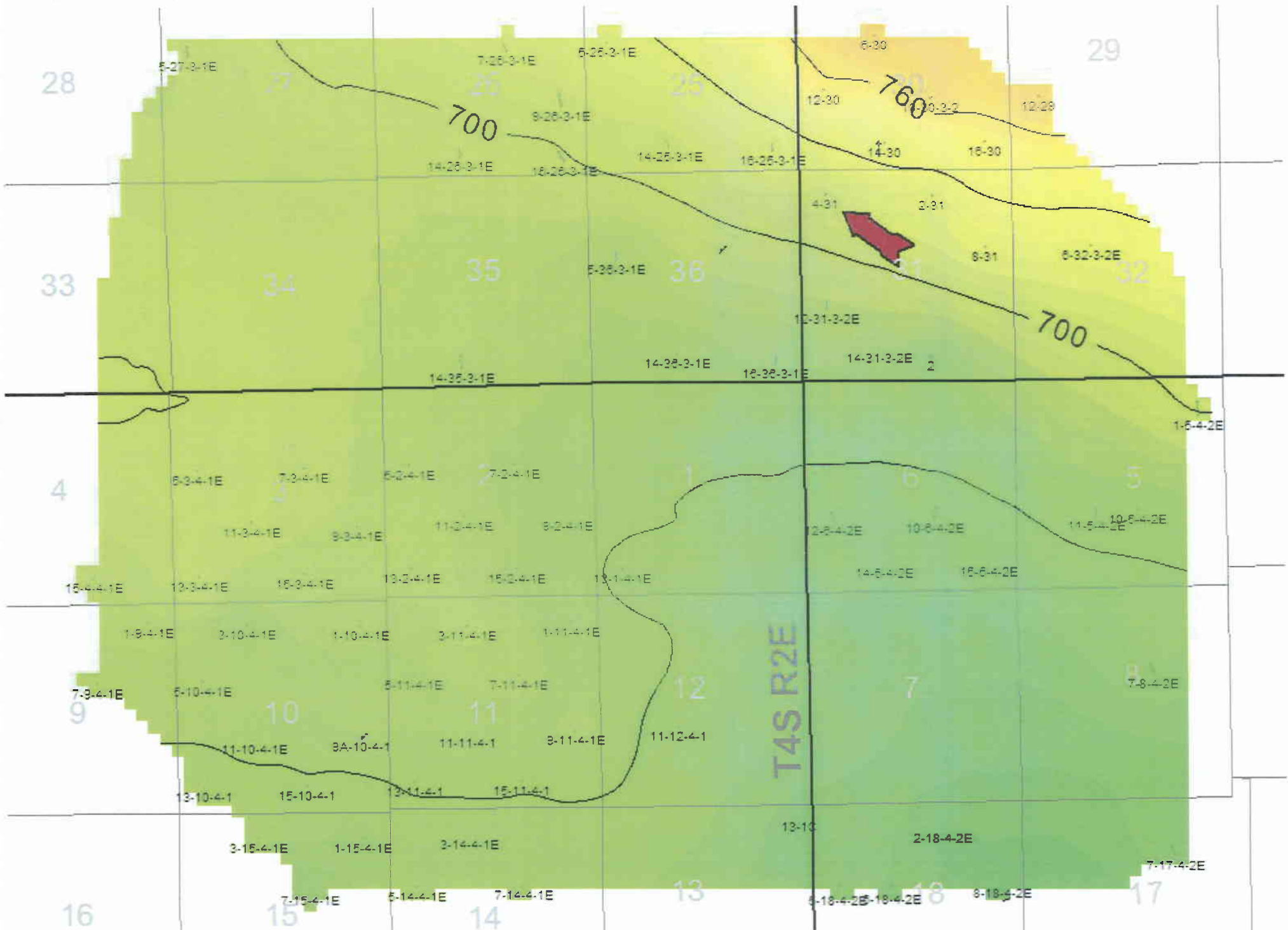


**ATTACHMENT D3**

**ISOPACH MAP OF INJECTION INTERVAL**



Isopach Map of the Injection Interval



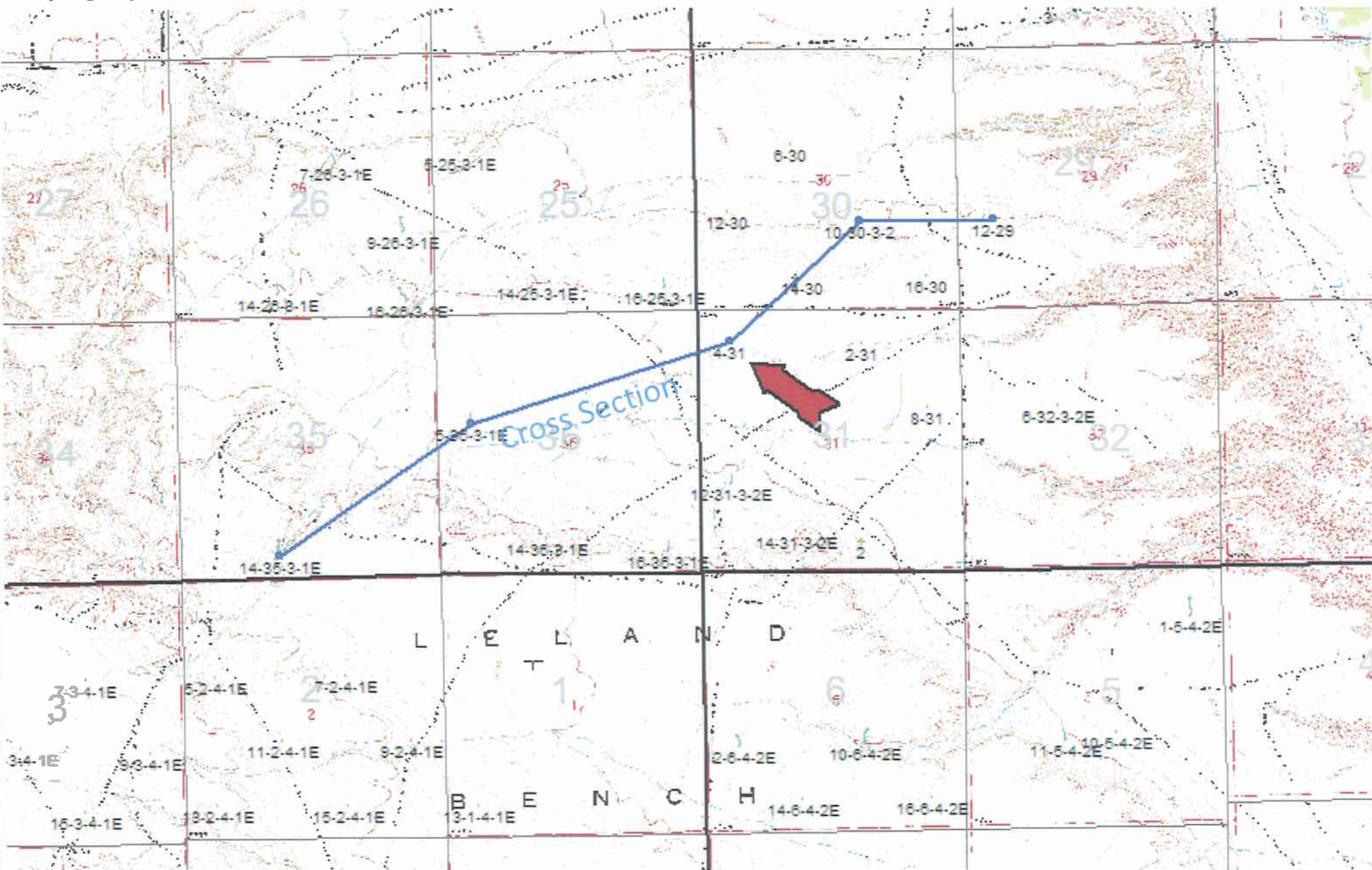


**ATTACHMENT D4**

**CROSS-SECTION OF THE CONFINING LAYERS  
AND INJECTION ZONES**

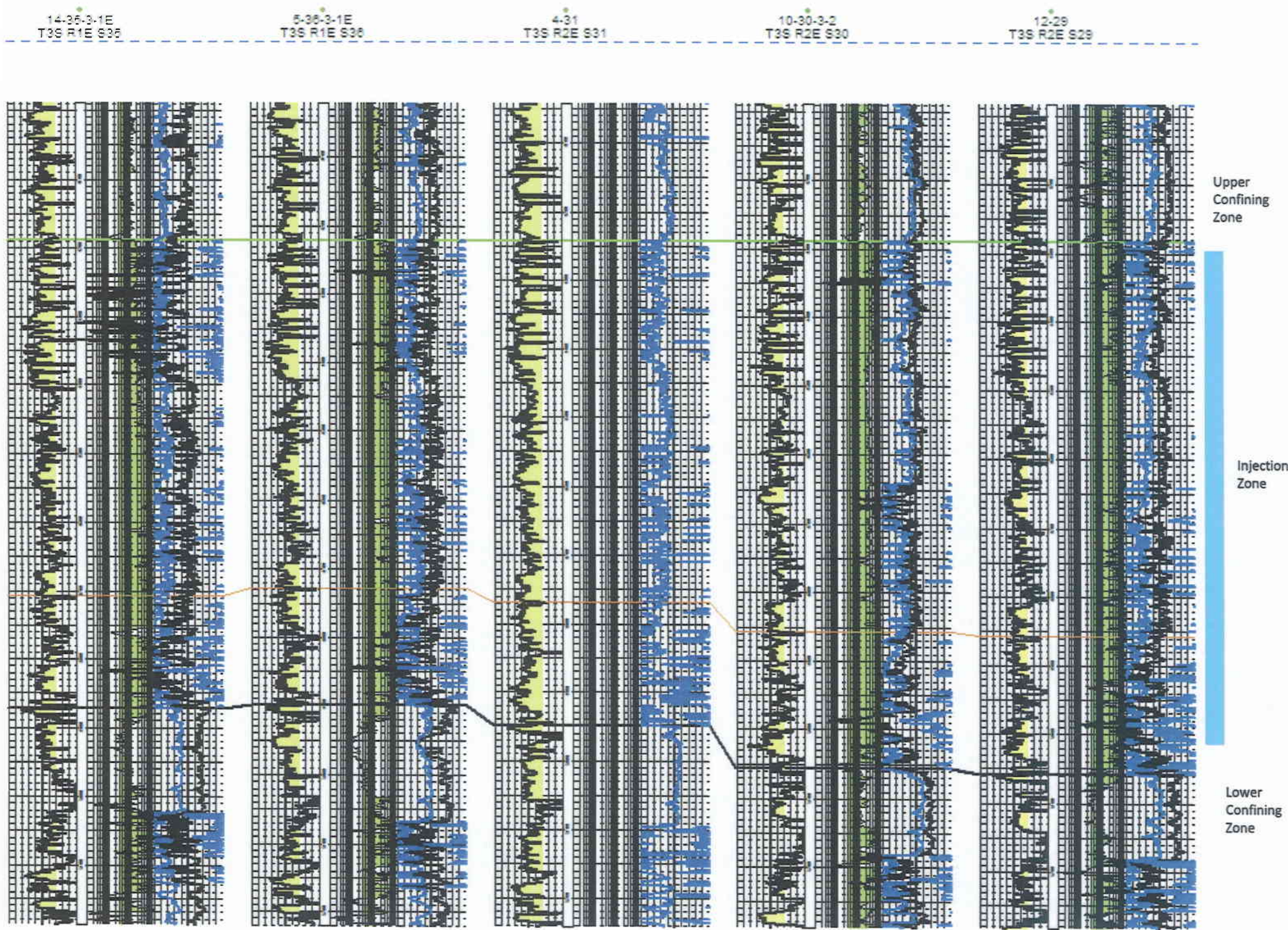


Topographic Map including Cross Section





# Cross Section West - East





**ATTACHMENT E1**

**LIST OF WELLS UTILIZING THE INJECTION WELL**



Well name	API #
UTE TRIBAL 1-5-4-2E	43047515560000
COLEMAN TRIBAL 1-7-4-2E	43047519370000
COLEMAN TRIBAL 1-8-4-2E	43047517270000
COLEMAN TRIBAL 1-18-4-2E	43047520010000
COLEMAN TRIBAL 2-18-4-2E	43047514880000
DEEP CREEK 2-31	43047400260000
COLEMAN TRIBAL 3-7-4-2E	43047520020000
GAVITTE 4-26-3-1E	43047520410000
ULT 4-31	43047400170000
ULT 4-36-3-1E	43047518950000
COLEMAN TRIBAL 5-7-4-2E	43047517330000
COLEMAN TRIBAL 5-18-4-2E	43047514890000
SENATORE 5-25-3-1E	43047515810000
ULT 5-26-3-1E	43047516500000
SZYNDROWSKI 5-27-3-1E	43047516590000
ULT 5-35-3-1E	43047516570000
ULT 5-36-3-1E	43047515770000
UTE TRIBAL 6-9-4-2E	43047515580000
COLEMAN TRIBAL 6-18-4-2E	43047514900000
ELIASON 6-30	43047385000000
UTE TRIBAL 6-32-3-2E	43047515550000
ULT 6-36-3-1E	43047518970000
COLEMAN TRIBAL 7-7-4-2E	43047517280000
COLEMAN TRIBAL 7-8-4-2E	43047514960000
DEEP CREEK TRIBAL 7-17-4-2E	43047514970000
ULT 7-26-3-1E	43047516510000
ULT 7-35-3-1E	43047516600000
COLEMAN TRIBAL 8-18-4-2E	43047514910000

Well name	API #
DEEP CREEK 8-31	43047400320000
DEEP CREEK TRIBAL 9-7-4-2E	43047517290000
ULT 9-26-3-1E	43047517550000
UTE TRIBAL 10-5-4-2E	43047515570000
ULT 10-6-4-2E	43047515690000
UTE TRIBAL 10-30-3-2E	43047515540000
ULT 11-5-4-2E	43047515740000
ULT 12-6-4-2E	43047515710000
ULT 12-29	43047400390000
ELIASON 12-30	43047400400000
ULT 12-31-3-2E	43047515850000
DEEP CREEK TRIBAL 13-7-4-2E	43047517460000
COLEMAN TRIBAL 13-18-4-2E	43047514920000
MARSH 13-35-3-1E	43047517540000
ULT 14-6-4-2E	43047515720000
COLEMAN TRIBAL 14-18-4-2E	43047514930000
ULT 14-25-3-1E	43047515840000
ULT 14-26-3-1E	43047516530000
KNIGHT 14-30	43047385010000
ULT 14-31-3-2E	43047515760000
MARSH 14-35-3-1E	43047516580000
ULT 14-36-3-1E	43047515790000
COLEMAN TRIBAL 15-18-4-2E	43047514940000
ULT 16-6-4-2E	43047515730000
DEEP CREEK 16-25-3-1E	43047515830000
ULT 16-26-3-1E	43047516520000
KNIGHT 16-30	43047384990000
ULT 16-36-3-1E	43047515800000



**ATTACHMENT F1**  
**UIC MONITORING FORMS**



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

UIC FORM 4

**ANNUAL FLUID INJECTION REPORT**

Operator: Ute Energy Upstream Holdings LLC  
Address: 1875 Lawrence, Suite 200  
city Denver  
state CO zip 80202

Report Period: January 1 -- December 31, 20

Phone Number: (720) 420-3200

Amended Report ☐ (highlight changes)

**PURPOSE OF FLUID INJECTION**

Enhanced Recovery ☐ LPG Storage ☐ Disposal ☒

Complete applicable sections below

**ENHANCED RECOVERY OR LPG STORAGE PROJECT**

Field or unit name			
Formation and depth			
County / counties			
Nature of injected fluid:	<input type="checkbox"/> Gas	<input type="checkbox"/> Fresh water	<input type="checkbox"/> Other _____
	<input type="checkbox"/> LPG	<input type="checkbox"/> Salt water	
Average daily injection volume (barrels or MCF)			
Number of active injection wells			
Number of shut-in injection wells			
Average wellhead injection pressure (psig)			
If all or part of injected fluid is fresh water, accurately describe source: _____			
_____			
Briefly describe any major project changes and/or well testing programs performed during the year. Attach additional pages if necessary.			
_____			
_____			

**DISPOSAL WELL**

Well name and number	ULT 4-31	API number	4304740017
Formation and depth	Green River 4,949		
Well location:	QQ NWNW Section 31 Township 3S Range 2E County Uintah		
Average daily disposal volume (barrels)			
Average daily wellhead pressure (psig)			
Briefly describe any major repair performed on the well during the year. Attach additional pages if necessary.			
_____			
_____			

I hereby certify that this report is true and complete to the best of my knowledge.

Name (Please Print) \_\_\_\_\_ Title \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

UIC FORM 3

**MONTHLY INJECTION REPORT**

Operator: Ute Energy Upstream Holdings LLC  
Address: 1875 Lawrence, Suite 200  
city Denver  
state CO zip 80202

Report Period: \_\_\_\_\_

Phone Number: (720) 420-3200

Amended Report ☐ (highlight changes)

Well Name and Number  
ULT 4-31

API Number  
4304740017

Location of Well

Field or Unit Name  
Randlett Field

Footage: 663 FNL 664 FWL

County: Uintah

Lease Designation and Number  
Fee

QQ, Section, Township, Range: NWNW 31 T3S R2E

State: UTAH

Date	Volume Disposed	Hours in Service	Maximum Pressure	Average Operating Pressure	Tubing / Casing Annulus Pressure
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					

Total volume injected for month \_\_\_\_\_

All time cumulative volume injected \_\_\_\_\_

I hereby certify that this report is true and complete to the best of my knowledge.

Name (Please Print) \_\_\_\_\_ Title \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_



**ATTACHMENT G1**

**PROPOSED INJECTION WELL CONVERSION PLAN  
AND INJECTION WELL SCHEMATIC**





ULT 4-31  
SWD CONVERSION PROCEDURES  
Section 31-T3S-R1E  
Uintah County, Utah  
API # 43-047-40017

February 29, 2012

**OBJECTIVE**

MIRU to P&A existing perforations in the Green River formation & prep for conversion in a SWD well in the Birds Nest interval. Perforate Birds Nest interval & swab test well to recover a representative water sample from the formation for water analysis.

**CURRENT WELL STATUS**

Currently the well is producing from the Green River Formation. A cement bond log was run on the 5-1/2" production casing and found top of cement at 660'.

**CONVERSION PROCEDURE**

NOTE: All perfs picked from the SLB OH Triple Combo Log

1. **Safety is the highest priority.** Hold wellsite safety meetings each morning and prior to each significant operation. Review critical parameters and objectives as well as emergency action plans.
2. Hold and document pre-activity meeting, determine location of necessary equipment and rig up of same, be sure all necessary contractors are present and agree as to the layout of location.
3. TOOH w/ rods & pump & LD.
4. NU BOPE, and TOOH w/ existing 2-7/8" tbg.
5. MIRU WL unit and MUPU 5.5" CIBP & RIH to 5,000'. Set CIBP. POOH & MUPU dump bailer. RIH & dump bail 5' of cmt on top of CIBP.
6. Pressure test casing to 4,500 psi, hold for 15 minutes, monitor and record bleed off.



7. MUPU Perf Guns per design & RIH to perf Birds Nest interval.RDMOL WL
8. MUPU 5.5" Arrow set 1 pkr & TIH w/ same 2-7/8" 6.5# J-55 tubing. RIH set packer @ +/- 4,450'. Pressure test annulus to 1000 psi, monitor & record bleed off.
9. RU swab equipment. Swab 2x tbg volume and begin taking water samples. Test chloride count on location. Continue to swab until there is a consistent chloride count. Recover 5 samples. Send sample in for TDS analysis. Wait on analysis.
10. RD swab equipment.
11. ND BOP, NUWH. RDMO WOR.
12. Wait on permit to proceed.

Perforations Design

Zone	Top	Bottom	Gun Size	Holes	Total Holes
Birds Nest	4248	4253	5'	15	
Birds Nest	4260	4265	5'	15	
Birds Nest	4270	4275	5'	15	
Birds Nest	4280	4310	30'	90	
Birds Nest	4315	4340	25'	75	
Birds Nest	4350	4375	25'	75	
Birds Nest	4380	4390	10'	30	
Birds Nest	4395	4410	15'	45	360



## **ATTACHMENT H1**

### **PLUGGING & ABANDONMENT PROCEDURE**





DESCRIPTION

DEPTH

WELLBORE

WELL HISTORY

20" Conductor

58'

9-5/8" Surface Casing (12-1/4" Hole)  
23 jts 9-5/8" 36# J-55 STC 754'

9-5/8" Surface Casing Cementing  
Lead: 375 sxs 92 bbls

Cmt Top  
Surface

2-7/8" 6.5# J-55 8rd EUE Tubing Detail as of

Item	Description	Length	Depth
5	Tubing Spool to Ground Level Adjustment		
4	Tubing Spool to Original RKB Adjustment		
3	WHI 2-1/16" x 5M Tapered Tubing Hanger		0.00'
2	2-3/8" 4.7# N-80 8rd EUE	4,230.00'	0.00'
1	Packer		4,230.00'
			4,230.00'
			4,230.00'
			4,230.00'
			4,230.00'
			4,230.00'
			4,230.00'
136 jts	End of Tubing	4,230.00'	4,230.00'

CBL 660'

PKR	4,230'
4,248'	4,253'
4,260'	4,265'
4,270'	4,275'
4,280'	4,310'
4,315'	4,340'
4,350'	4,375'
4,380'	4,390'
4,395'	4,410'

CMT 5005'  
CIBP 5000'

Oct 2008

Open  
Open  
Open  
Open

L. Green  
River

4" HSC: 23g; ph = 1200; d = 0.42"

6 shots 3 spf 2' 6,335' 6,337'  
6 shots 3 spf 2' 6,454' 6,456'  
9 shots 3 spf 3' 6,466' 6,469'  
6 shots 3 spf 2' 6,478' 6,480'

140,900# 16/30

1,478 bbls

ISIP: 0 psi

0.00 psi/ft

CBP: 0'

20# X-Linked Borate Gell Job, Jordan-Unimin Sand

Nov 2008

Open  
Open  
Open  
Open  
Open

L. Green  
River

4" HSC: 23g; ph = 1200; d = 0.42"

9 shots 3 spf 3' 6,565' 6,568'  
6 shots 3 spf 2' 6,578' 6,580'  
9 shots 3 spf 3' 6,612' 6,615'  
6 shots 3 spf 2' 6,621' 6,623'  
6 shots 3 spf 2' 6632 6634

116,084# 20/40

1,387 bbls

ISIP: 0 psi

0.00 psi/ft

CBP: 0'

20# X-Linked Borate Gell Job, Jordan-Unimin Sand

5-1/2" 17# N-80 & P-110 Production Casing

5-1/2" 17# N-80 LTC 6,900'  
7-7/8" Production Hole: 754' 6,900'

PBTD: 6,856'

MW:

5-1/2" Production Casing Cementing

Lead: 375 sxs 346 bbls Hi-Fill  
Tail 340 sxs ExtendaCem

Cmt Top

660'

WELL:

Ult 4-31

LOCATION:

NWNE 31 3S 2E  
FNL: 663' FWL: 664' GL: 5,041' KB: 5,059'

FORMATION:

Lower Green River

API #:

43-047-40017

Field:

Randlett

CLASSIFICATION:

SWD

CURRENT STATUS:

SWD

WI:

NRI:

Spud: 07/16/08  
TD: 07/25/08  
RR: 07/27/08  
1st Sales: 11/11/08  
Updated: 02/29/12 JNJ

Rig: Pioneer #59  
Rate:

TUBULAR DATA

Type	Size	Weight	Grade	Top	Bottom	Burst	Collapse
Surface	9 5/8	36.0 ppf	J-55	0	754'	3,520 psi	2,020 psi
Production	5 1/2"	17.0 ppf	HCP-110	0	6,900'	10,640 psi	8,580 psi
Tubing	2 7/8	6.5 ppf		0			

	Size	Weight	Grade	ID	Drift	bbls/ft	Capacity
Surface	9 5/8	36.0 ppf	J-55	8.921"	8.765"	0.0773 bpf	58 bbls
Production	5 1/2"	17.0 ppf	HCP-110	4.892"	4.767"	0.0232 bpf	180 bbls
Tubing	2 7/8	6.5 ppf	0			0.0000 bpf	0 bbls

DEVIATION SURVEY

Depth Angle Dir TVD North East VS DLS

DEVIATION SURVEY





ULT 4-31-3-2E  
P&A PROCEDURES  
Section 31-T3S-R2E  
Uintah County, Utah  
API # 43-047-40017

April 11, 2012

AFE # 50525 SWD

**OBJECTIVE**

Plug and abandon the 4-31 SWD

**MATERIAL NEEDS:**

Cement: 86 sx of Class "G" cmt

**CURRENT WELL STATUS**

Currently the well is waiting on P&A.

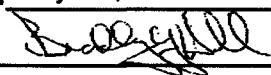
**P&A PROCEDURE**

1. Call Dan Jarvis at 801-538-5338 24 hrs prior to conducting operations.
2. TOOH with pkr and tbg.
3. TIH with tbg and cmt retainer to 4200'
4. Pump 38 sx of Class "G" cmt, sting out of cmt retainer and spot 2 sx of Class "G" cmt on top of cmt retainer
5. TOOH w/ tbg to 2500' and pump a 200' balance plug from 2500' to 2300'
6. TOOH w/ tbg to 200' & pump a 200' (23 sx) balanced plug to surface (cmt top @ surface)
7. Weld steel cap on wellhead.

**CASING DATA**

STRING	SIZE	WEIGHT	GRADE	THREAD	CAPACITY	DEPTH
PRODUCTION	5-1/2"	17.0#	p-110	LTC	0.0232 BBL/FT	5005'



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: CRESCENT POINT ENERGY U.S. CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 555 17th Street, Suite 750, Denver, CO, 80202		8. WELL NAME and NUMBER: ULT 4-31
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0663 FNL 0664 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 31 Township: 03.0S Range: 02.0E Meridian: U		9. API NUMBER: 43047400170000
10. PHONE NUMBER: 720 880-3621 Ext		9. FIELD and POOL or WILDCAT: RANDETT
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		COUNTY: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/10/2013  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER         </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION         </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Per the DOGM-approved Underground Injection Control Permit issued 12/6/2012, Crescent Point Energy U.S. Corp will start injecting on May 10, 2013.		
Accepted by the <b>Utah Division of          Oil, Gas and Mining</b>  Date: May 23, 2013 By: 		
NAME (PLEASE PRINT) Lori Browne		PHONE NUMBER 720 420-3246
SIGNATURE N/A		TITLE Regulatory Specialist
DATE 5/10/2013		



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
<b>1. TYPE OF WELL</b> Water Disposal Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> CRESCENT POINT ENERGY U.S. CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 555 17th Street, Suite 750, Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> ULT 4-31
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0663 FNL 0664 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 31 Township: 03.0S Range: 02.0E Meridian: U		<b>9. API NUMBER:</b> 43047400170000
<b>PHONE NUMBER:</b> 720 880-3621 Ext		<b>9. FIELD and POOL or WILDCAT:</b> RANDLETT
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

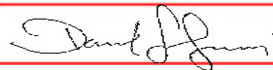
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>4/8/2016</b>	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:			
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:			
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:			
OTHER: <span style="border: 1px solid black; padding: 2px;">temporary retention pond clg</span>			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  

Due to low rig count, Crescent Point Energy requests permission to put the ULT 4-31 retention pond on standby. All rental equipment (pumps, hoses, etc) will be removed from the area. Fluid volume in the pit has been drawn to a minimal level; depth is currently at approximately 2 feet. A fence will be constructed around the perimeter and a net will be placed over the pit. As activity increases in the future, Crescent Point will resume operations at the pond. A sundry notice to resume usage will be submitted at that time.

**Approved by the**  
**April 05, 2016**  
**Oil, Gas and Mining**

**Date:** \_\_\_\_\_

**By:** 

<b>NAME (PLEASE PRINT)</b> Lori Browne	<b>PHONE NUMBER</b> 720 420-3246	<b>TITLE</b> Regulatory Specialist
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/1/2016	